Library, N.W. Bldg.
JUN 2 1960
Not to be taken from the library.

PB 151377-2

NBS

Technical Note No. 18-2

Boulder Laboratories

QUARTERLY RADIO NOISE DATA - MARCH, APRIL, MAY 1959

BY W.Q. CRICHLOW, C.A. SAMSON, R.T. DISNEY, AND M.A. JENKINS

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

THE NATIONAL BUREAU OF STANDARDS

Functions and Activities

The functions of the National Bureau of Standards are set forth in the Act of Congress, March 3, 1901, as amended by Congress in Public Law 619, 1950. These include the development and maintenance of the national standards of measurement and the provision of means and methods for making measurements consistent with these standards; the determination of physical constants and properties of materials; the development of methods and instruments for testing materials, devices, and structures; advisory services to government agencies on scientific and technical problems; invention and development of devices to serve special needs of the Government; and the development of standard practices, codes, and specifications. The work includes basic and applied research, development, engineering, instrumentation, testing, evaluation, calibration services, and various consultation and information services. Research projects are also performed for other government agencies when the work relates to and supplements the basic program of the Bureau or when the Bureau's unique competence is required. The scope of activities is suggested by the listing of divisions and sections on the inside of the back cover.

Publications

The results of the Bureau's work take the form of either actual equipment and devices or published papers. These papers appear either in the Bureau's own series of publications or in the journals of professional and scientific societies. The Bureau itself publishes three periodicals available from the Government Printing Office: The Journal of Research, published in four separate sections, presents complete scientific and technical papers; the Technical News Bulletin presents summary and preliminary reports on work in progress; and Basic Radio Propagation Predictions provides data for determining the best frequencies to use for radio communications throughout the world. There are also five series of nonperiodical publications: Monographs, Applied Mathematics Series, Handbooks, Miscellaneous Publications, and Technical Notes.

Information on the Bureau's publications can be found in NBS Circular 460, Publications of the National Bureau of Standards ($1.25) and its Supplement ($1.50), available from the Superintendent of Documents, Government Printing Office, Washington 25, D.C.

NATIONAL BUREAU OF STANDARDS

Technical Note

18-2

March 14, 1960

QUARTERLY RADIO NOISE DATA - MARCH, APRIL, MAY, 1959

by

W. Q. Crichlow, C. A. Samson, R. T. Disney, and M. A. Jenkins

NBS Technical Notes are designed to supplement the Bureau's regular publications program. They provide a means for making available scientific data that are of transient or limited interest. Technical Notes may be listed or referred to in the open literature. They are for sale by the Office of Technical Services, U. S. Department of Commerce, Washington 25, D. C.

DISTRIBUTED BY

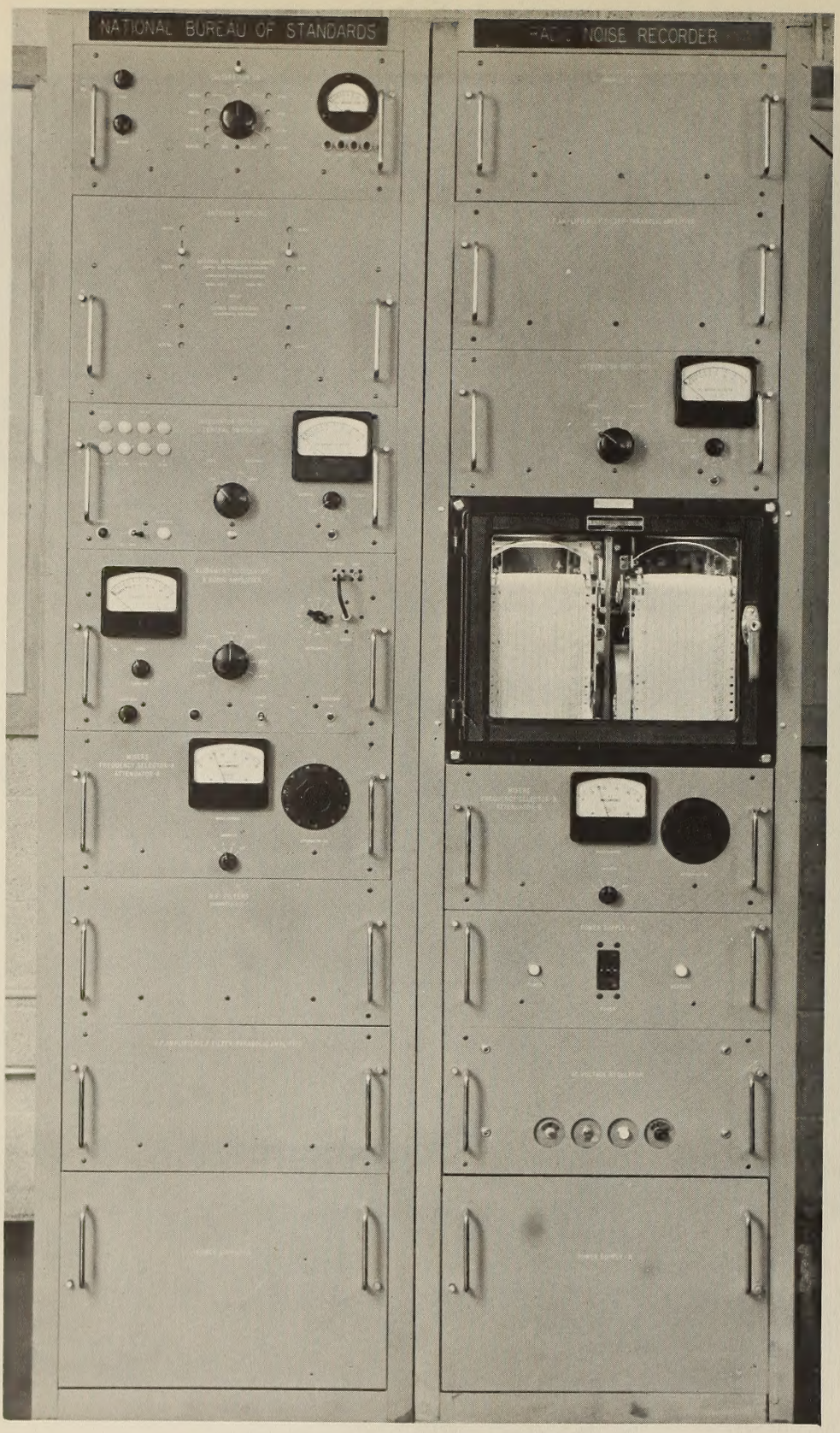
UNITED STATES DEPARTMENT OF COMMERCE

OFFICE OF TECHNICAL SERVICES

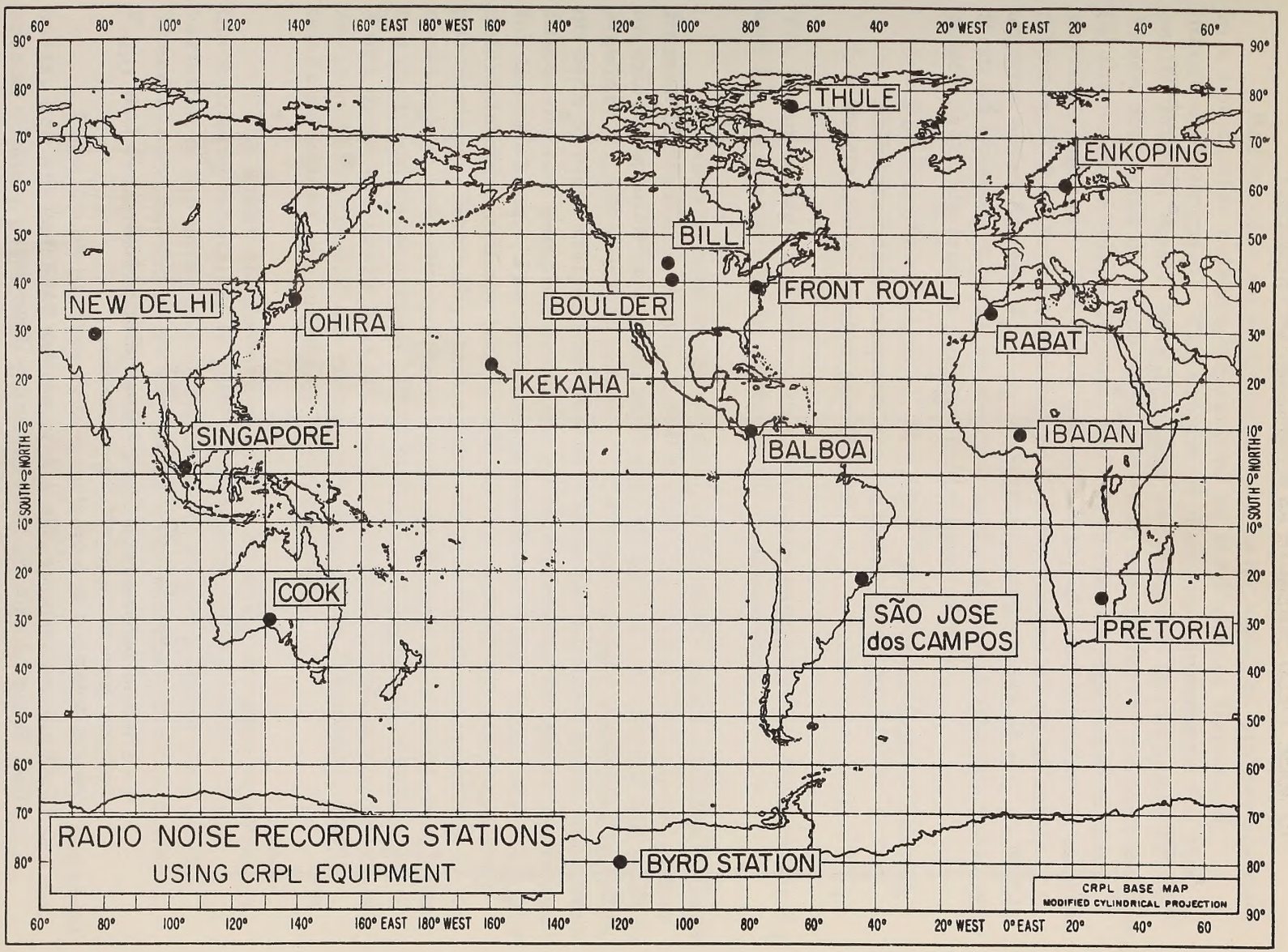
WASHINGTON 25, D. C.

Price $1.00

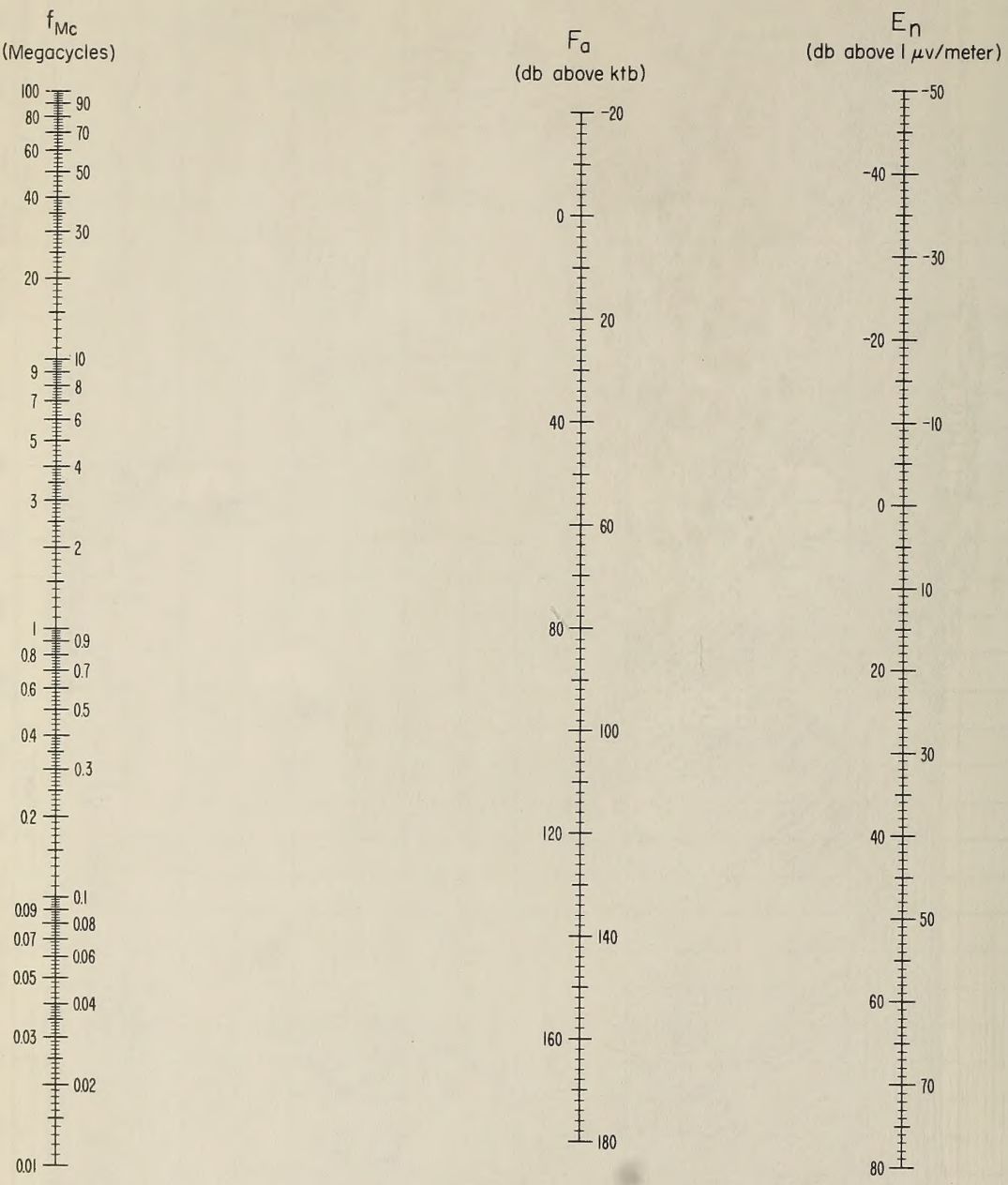
Radio Noise Recording Station



ARN-2 Atmospheric Radio Noise Recorder


RADIO NOISE RECORDING STATIONS
USING CRPL EQUIPMENT
THULE
ENKOPING
BILL
FRONT ROYAL
BOULDER
NEW DELHI
OHIRA
RABAT
KEKAHA
SINGAPORE
BALBOA
IBADAN
COOK
SÃO JOSE
dos CAMPOS
PRETORIA
BYRD STATION
CRPL BASE MAP
MODIFIED CYLINDRICAL PROJECTION
60° 80° 100° 120° 140° 160° EAST 180° WEST 160° 140° 120° 100° 80° 60° 40° 20° WEST 0° EAST 20° 40° 60°
90° 80° 70° 60° 50° 40° 30° 20° 10° SOUTH 0° NORTH 10° 20° 30° 40° 50° 60° 70° 80° 90°

NOMOGRAM FOR TRANSFORMING EFFECTIVE ANTENNA NOISE FIGURE TO NOISE FIELD STRENGTH AS A FUNCTION OF FREQUENCY



$$E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$$

F_a = Effective Antenna Noise Figure = External Noise Power Available from an Equivalent Short, Lossless, Vertical Antenna in db Above ktb.

E_n = Equivalent Vertically Polarized Ground Wave R.M.S. Noise Field Strength in db Above 1 μv/meter for a 1 kc Bandwidth.

f_{Mc} = Frequency in Megacycles.

Radio Noise Data for the Season March, April, May 1959

Radio noise measurements are being made at sixteen stations in a world-wide network supervised by the National Bureau of Standards (see map). The results of these measurements for the period March, April, May 1959 are presented in the attached tables. These are based on three parameters of the noise: (1) the mean power, (2) the mean envelope voltage, and (3) the mean logarithm of the envelope voltage. The mean power averaged over a period of several minutes is the basic parameter and is expressed as an effective antenna noise figure, F_a. F_a is defined as the noise power available from an equivalent lossless antenna in db above ktb (the thermal noise power available from a passive resistance) where

k = Boltzman's constant (1.38×10^{-23} joules per degree Kelvin)
t = Absolute room temperature (taken as 288° K)
b = Bandwidth in cycles per second.

The mean voltage and mean logarithm are expressed as deviations, V_d and L_d, respectively, in db below the mean power.

Measurements of these parameters were made with the National Bureau of Standards Radio Noise Recorder, Model ARN-2, which has an effective noise bandwidth of about 200 cycles per second and uses a standard 21.75' vertical antenna. A fifteen-minute recording is made on each of eight frequencies two at a time during each hour, and these fifteen-minute samples are taken as representing the noise conditions for the full hour. The month-hour medians, F_{am}, V_{dm}, and L_{dm} are determined from these hourly values for each of the corresponding parameters. Normally from twenty-five to thirty observations of the mean power are obtained monthly for each hour of the day, and from ten to fifteen observations of the voltage and logarithm deviations. When there are fewer than fifteen observations of the mean power, or seven observations of the voltage and logarithm deviations, the tabulated values are identified by an asterisk.

The upper and lower decile values of F_a are also reported in the following tabulation to give an indication of the extent of the variation of the noise power from day to day at a given time of day. These are expressed in db above and below the month-hour median, F_{am}, and designated by D_u and D_ℓ, respectively.

Time-block median values of noise are tabulated on a seasonal basis, and are obtained by averaging all month-hour medians for the season within a particular four-hour period of the day. The time-block values conform to the seasonal-time-block values used in C.C.I.R. Report No. 65 (see attached references).

F_a in db is related to the rms field strength at the antenna by the following equation:

$$E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$$

where

E_n = the equivalent vertically polarized ground wave rms noise field strength in db above 1 μv/meter for a 1 kc bandwidth.

f_{Mc} = the frequency in megacycles.

The nomogram given may be used for this conversion.

The values presented in the tables reflect the actual measured radio noise; in some instances the atmospheric noise level may be contaminated by man-made noise or station interference.

Station clocks are set to a local standard time (LST) which is taken from the time zone in which the station is located and is always an integral number of hours different than universal or Greenwich time.

Data included in this report and the standard time for each station is as follows:

Station	Data	Time Zone	To Convert LST to GMT (hours)
Balboa	March April May 1959	75 W	+05
Bill	March April May 1959	105 W	+07
Boulder	March April May 1959	105 W	+07
Byrd Station	March April May 1959	120 W	+08
Cook	March April May 1959	135 E	-09
Enkoping	March April May 1959	15 E	-01
Front Royal	March April May 1959	75 W	+05
Ibadan	March April May 1959	GMT	0
Kekaha	March April May 1959	150 W	+10
Ohira	March April May 1959	135 E	-09
Pretoria	March April May 1959	30 E	-02
Rabat	April May 1959	GMT	0
São José dos Campos	May 1959	45 W	+03
Singapore	March April May 1959	105 E	-07
Thule	March April May 1959	75 W	+05

These preliminary data values are presented in order to expedite dissemination of the data. Additional analyses, in which an attempt is made to eliminate contaminated data, are presented in other publications.

Stations in the recording network were operated by the following agencies:

NBS - Bill, Wyoming; Boulder, Colorado; Byrd Station; Front Royal, Virginia; Kekaha, Hawaii

Signal Corps, U. S. Army - Balboa, C. Z.; Thule, Greenland

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enkoping

DSIR (Great Britain) and University College Department of Physics (Nigeria) - Ibadan

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) - Pretoria

Institut Scientifique Chérifien (Morocco) - Rabat

Instituto Tecnologico de Aeronautica (Brazil) - São José dos Campos

Department of Scientific and Industrial Research (Great Britain) - Singapore, Malaya

The assistance of the station operators and other personnel of these agencies in obtaining the data contained in this report is gratefully acknowledged.

Previous data from the NBS world-wide network have been published in:

NBS Technical Note No. 18, "Radio Noise Data for the International Geophysical Year July 1, 1957 - December 31, 1958," issued by W. Q. Crichlow, C. A. Samson, R. T. Disney, and M. A. Jenkins on July 27, 1959.

The following publications contain additional information on radio noise:

1. W. Q. Crichlow, D. F. Smith, R. N. Morton, and W. R. Corliss, "Worldwide Radio Noise Levels Expected in the Frequency Band 10 Kilocycles to 100 Megacycles," NBS Circular 557, August 25, 1955.

2. "Report on Revision of Atmospheric Radio Noise Data," C.C.I.R. Report No. 65, VIIIth Plenary Assembly, Warsaw, 1956 (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).

3. A. D. Watt and E. L. Maxwell, "Measured Statistical Characteristics of VLF Atmospheric Radio Noise," Proc. IRE, 45, 1, 55 (1957).

4. W. Q. Crichlow, "Noise Investigation at VLF by the National Bureau of Standards," Proc. IRE, 45, 6, 778 (1957).

5. A. D. Watt and E. L. Maxwell, "Characteristics of Atmospheric Noise from 1 to 100 kc," Proc. IRE, 45, 6, 787 (1957).

6. F. F. Fulton, Jr., "The Effect of Receiver Bandwidth on Amplitude Distribution of V. L. F. Atmospheric Noise," National Bureau of Standards, VLF Symposium Paper 37, Boulder, Colorado, 1957.

7. H. E. Dinger, "Report on URSI Commission IV - Radio Noise of Terrestrial Origin," Proc. IRE, 46, 7, 1366 (1958).

8. A. D. Watt, R. M. Coon, E. L. Maxwell, and R. W. Plush, "Performance of Some Radio Systems in the Presence of Thermal and Atmospheric Noise," Proc. IRE, 46, 12, 1914 (1958).

9. W. L. Taylor and A. G. Jean, "Very-Low-Frequency Radiation Spectra of Lightning Discharges," NBS J. of Research-D. Radio Propagation, 63D, 2, 199 (1959).

10. W. Q. Crichlow, C. J. Roubique, A. D. Spaulding, and W. M. Beery, "Determination of the Amplitude-Probability Distribution of Atmospheric Radio Noise from Statistical Moments," NBS J. of Research-D. Radio Propagation, 64D, 1, 49 (1960).

11. Tatsuzo Obayashi, "Measured Frequency Spectra of Very-Low-Frequency Atmospherics," NBS J. of Research-D. Radio Propagation, 64D, 1, 41 (1960).

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month March 19 59

Hour (LST)	Frequency (Mc) .051					.113					.246										2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	132	5	5	12.5	21.5	119	5	4	9.0	14.5	104	6	5	9.0	17.0						62	4	6	6.5	12.0	57	4	4	5.5	9.5	45	2	4	6.0	10.0	28	4	2	4.0	6.0
01	132	6	4	13.0	22.0	120	5	3	8.5	14.0	106	2	6	9.0	17.0						62	6	4	6.0	11.5	59	2	4	5.5	9.5	43	4	2	6.5	10.0	29	3	5	3.0	5.0
02	134	4	7	12.0	21.0	121	4	6	8.5	13.5	106	4	6	10.0	18.5						64	6	4	6.5	12.0	59	2	6	6.0	9.5	43	4	4	7.0	11.5	26	6	2	2.0	3.5
03	134	4	6	12.5	21.5	121	4	6	9.5	15.0	106	5	8	10.5	19.0						66	5	6	6.5	13.0	59	2	6	5.5	10.0	41	4	4	6.0	10.0	26	2	2	1.5	3.0
04	134	5	7	12.0	20.5	121	6	7	9.0	14.0	105	5	6	11.0	19.0						66	4	6	6.5	13.5	59	4	8	6.0	10.0	41	4	4	7.0	10.0	25	3	1	2.0	3.0
05	134	4	6	12.0	20.0	120	7	5	10.0	16.0	102	8	6	12.5	21.5						66	2	8	7.0	15.0	59	4	6	4.5	8.5	43	0	8	6.0	9.5	24	4	0	2.0	3.5
06	132	5	6	14.0	21.0	113	8	9	15.5	25.0	99	8	20	18.0	26.5						62	6	8	8.5	16.0	55	4	4	6.5	11.0	40	5	1	6.0	10.0	28	4	4	2.5	4.0
07	128	6	9	12.5	22.0	113	8	18	16.5	26.0	96	9	17	19.0	27.5						44	10	6	9.5	15.5	43	6	8	9.0	14.5	37	7	4	7.0	12.0	28	2	2	3.5	5.5
08	127	7	13	16.5	25.0	115	5	17	14.5	23.5	95	9	17	18.0	27.5						38	4	10	9.5	14.5	35	6	10	10.0	15.5	29	4	6	9.0	14.5	26	4	4	4.0	6.5
09	128	6	12	16.5	25.5	113	8	15	16.0	23.0	94	10	20	17.5	27.5						32	10	8	11.0	12.5	29	8	8	9.5	15.0	27	6	13	10.0	15.5	26	2	4	4.0	6.5
10	124	9	8	19.5	28.0	109	13	14	17.0	25.5	88	15	16	13.5	18.5						26	14	4	3.0	4.5	21	10	4	6.5	8.0	19	10	8	8.0	11.0	24	4	2	4.0	7.0
11	124	8	8	16.5	27.0	105	14	12	15.0	20.0	82	18	10	10.0	16.0						22	8	2	4.0	5.5	17	10	2	7.0	9.5	17	8	6	7.5	11.5	24	3	3	4.0	5.5
12	126	4	8	14.0	22.5	103	12	8	11.0	17.0	82	14	8	8.5	14.0						24	6	2	3.5	5.5	18	3	3	5.5	7.5	17	8	6	6.5	10.0	26	2	4	4.0	6.5
13	128	4	8	13.0	21.5	107	10	8	10.0	17.0	86	12	8	10.0	16.5						26	2	4	4.5	6.0	19	6	4	4.5	6.0	19	8	6	7.0	11.0	26	4	2	4.0	6.0
14	130	4	6	11.5	19.5	109	12	8	9.5	16.5	90	8	8	10.0	16.0						26	6	6	6.0	8.5	21	6	4	6.5	9.0	23	8	4	7.5	11.5	29	5	5	3.0	5.5
15	130	6	4	10.5	18.0	111	8	6	11.0	17.5	94	6	10	11.5	18.5						30	4	6	5.5	8.0	28	5	7	6.0	10.0	29	6	6	6.0	10.0	30	4	4	3.5	6.0
16	130	6	4	10.5	17.5	111	10	6	11.0	17.5	94	6	7	11.5	19.5						32	6	6	6.0	9.5	33	8	8	7.0	11.5	35	2	4	6.0	9.5	32	4	4	3.5	6.0
17	130	6	4	11.0	18.5	113	11	7	12.0	19.5	96	8	5	12.0	21.0						40	6	8	5.5	8.5	45	6	6	7.0	12.0	39	6	2	4.5	8.0	32	6	2	4.0	6.0
18	130	5	6	11.0	20.0	113	7	4	10.5	18.5	100	7	4	8.5	16.0						50	6	6	6.5	10.5	59	4	8	5.0	9.0	44	5	3	5.0	8.0	32	6	4	4.0	6.5
19	132	5	4	10.5	18.5	117	6	2	8.5	15.0	102	6	2	8.0	15.5						58	8	6	6.5	12.5	59	4	6	6.0	9.5	45	6	4	6.0	9.0	30	4	2	3.5	6.0
20	132	5	4	10.5	19.0	117	7	2	8.0	14.5	104	5	4	8.0	16.5						60	8	6	5.5	10.0	59	6	4	4.5	8.0	43	4	4	6.0	8.0	30	4	4	4.0	6.0
21	132	5	4	10.5	19.0	119	6	4	8.5	14.0	104	6	5	8.0	16.0						60	4	6	6.0	11.0	61	4	6	5.5	9.5	43	4	4	4.5	8.5	30	2	4	4.0	6.5
22	132	6	3	11.5	20.5	119	4	5	8.0	14.0	105	4	7	8.5	16.5						62	4	6	5.5	11.0	58	7	7	5.5	10.0	43	4	2	5.5	9.5	28	4	2	3.5	6.0
23	133	4	4	12.0	20.5	119	6	4	9.5	14.5	104	7	4	10.0	16.5						62	4	6	6.0	11.0	57	4	6	5.5	9.5	44	5	5	6.0	10.0	28	4	2	4.0	6.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month April 19 59

Hour (LST)	Frequency (Mc) .051					.113					.246										2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	138	5	6	10.5	18.0	123	8	4	9.5	16.0	108	11	3	9.0	16.5						66	4	7	5.0	10.0	59	4	3	4.5	8.5	46	2	2	5.5	9.5	31	4	3	4.0	7.0
01	138	6	4	12.5	20.0	125	6	6	9.0	16.0	108	9	4	9.0	16.5						66	4	5	5.0	10.0	59	3	3	4.0	8.5	46	2	4	5.5	9.5	29	3	2	3.5	6.0
02	140	4	5	12.0	20.5	127	5	6	9.5	16.5	108	8	3	9.0	16.0						66	5	4	6.0	10.5	59	4	3	4.5	9.0	45	3	4	6.0	10.5	27	4	2	2.5	5.0
03	140	5	4	10.5	19.0	125	7	4	10.0	16.0	108	10	2	9.5	18.0						68	4	4	5.0	10.5	61	3	3	4.5	9.0	44	4	5	6.0	10.5	26	6	2	1.5	3.0
04	140	4	4	11.5	20.0	127	4	6	9.0	16.0	110	8	5	10.0	18.0						68	5	4	6.0	12.0	61	4	4	4.5	9.0	42	6	3	5.5	10.0	25	4	2	1.5	3.0
05	140	6	4	12.5	21.0	125	7	6	10.5	18.0	109	7	6	11.5	20.5						68	4	4	6.0	12.0	61	2	4	4.0	8.5	42	4	4	5.5	9.0	25	2	2	1.5	3.0
06	137	5	6	14.5	23.0	123	7	9	14.0	23.0	107	9	9	14.5	25.0						62	4	4	7.0	13.0	55	4	4	7.0	12.0	42	2	4	5.0	9.0	27	10	0	3.5	6.0
07	135	7	6	14.0	22.5	123	5	9	14.0	23.5	106	8	10	16.0	26.0						50	8	10	6.0	15.5	45	6	6	8.0	14.5	38	2	4	6.5	12.0	29	4	2	3.5	6.0
08	134	4	6	14.0	24.0	121	6	8	15.5	24.0	106	8	8	13.5	25.0						44	6	14	10.0	15.5	37	6	6	10.0	17.5	34	4	6	9.5	15.0	27	6	2	4.0	6.5
09	134	6	8	14.5	23.0	121	8	10	14.0	24.5	108	6	19	15.5	25.0						44	6	14	10.5	17.5	35	6	12	10.0	16.5	30	6	10	10.0	16.0	25	5	4	4.0	6.0
10	134	5	7	16.5	26.0	119	7	16	16.0	24.5	102	9	7	15.5	25.5						40	10	15	12.0	18.0	29	9	9	9.5	14.0	27	7	10	9.0	14.0	23	4	2	4.0	6.5
11	133	5	7	14.5	24.5	120	9	9	14.5	24.5	102	14	12	14.0	24.5						32	17	7	11.5	18.0	26	13	7	9.0	13.0	26	8	6	8.0	13.5	23	6	2	4.0	6.0
12	134	6	6	15.0	24.0	119	10	16	14.0	23.5	100	14	16	13.5	22.0						36	14	12	10.5	15.5	27	10	8	8.0	11.0	26	8	8	8.5	13.0	25	4	4	3.5	6.0
13	134	8	6	13.5	22.0	119	10	14	13.5	21.5	100	13	10	15.0	24.0						33	17	5	10.0	15.5	28	13	9	6.0	10.5	29	6	6	7.5	12.0	27	4	2	3.5	6.0
14	136	4	6	10.5	18.0	121	8	10	13.0	19.5	102	22	8	12.5	22.0						36	14	8	8.5	15.5	28	16	7	6.5	10.5	34	10	8	6.0	11.0	30	5	3	3.5	6.0
15	139	9	5	11.5	18.5	125	14	10	11.0	18.5	108	16	8	13.0	22.0						44	32	12	7.5	14.0	35	22	6	6.0	10.5	36	8	2	6.0	10.0	31	8	2	3.5	6.0
16	136	9	4	10.5	17.0	121	11	6	11.0	18.0	106	10	8	12.5	20.0						42	24	9	8.5	14.0	40	12	7	5.5	10.0	39	5	4	4.5	8.5	32	8	3	3.5	6.0
17	136	7	6	10.5	17.5	123	9	11	11.5	18.0	104	15	11	12.5	20.5						46	11	8	5.5	11.5	49	5	6	4.5	8.5	42	3	2	3.5	7.5	31	6	2	3.5	6.0
18	134	10	7	12.0	19.0	123	8	11	10.0	17.5	106	12	8	10.0	17.0						56	6	8	4.5	8.5	59	4	4	6.0	9.5	44	4	2	3.5	6.0	31	6	2	3.0	5.5
19	136	8	5	11.5	18.0	123	8	6	8.5	15.5	108	8	7	8.5	16.5						62	8	4	4.0	8.5	61	4	4	6.0	9.5	44	4	2	4.5	8.0	31	4	2	3.5	6.0
20	138	5	6	9.5	16.0	123	7	6	8.5	14.5	108	6	6	10.0	16.5						62	8	4	4.0	9.0	63	0	6	6.0	10.0	46	2	4	5.0	8.0	31	2	2	3.0	6.0
21	138	5	8	9.5	16.5	123	6	7	8.5	14.0	108	7	7	8.0	14.5						64	5	7	4.0	7.5	63	5	5	4.0	8.0	46	2	4	4.5	8.0	31	4	4	3.5	6.0
22	136	7	6	10.5	17.5	123	6	6	9.0	14.5	108	7	5	8.5	15.0						64	5	6	5.0	9.0	60	3	3	4.0	7.5	44	4	1	4.5	8.5	31	4	4	4.0	6.5
23	138	4	8	11.0	18.0	123	8	5	8.5	15.5	108	9	4	8.0	15.5						64	6	5	4.5	9.5	59	4	4	4.5	9.5	46	2	4	6.0	10.0	31	3	4	4.5	6.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month May 19 59

Hour (LST)	Frequency (Mc) .051					.113					.246										2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}
00	141	4	5	11.0	17.0	128	6	5	8.0	13.0	112	6	6	9.0	15.0						67	7	4	5.0	9.0	62	2	2	4.5	8.0	47	2	3	5.0	8.0	31			3.5	6.0
01	143	5	6	11.0	18.0	130	6	8	10.0	16.0	112	8	8	9.0	16.0						67	6	2	6.0	11.0	62	3	2	4.0	8.5	47	2	4	5.0	9.0	31			3.0	5.0
02	143	5	7	11.0	18.5	130	4	7	10.0	16.0	114	5	10	10.0	17.0						67	6	2	5.0	10.0	62	3	2	5.0	10.0	47	2	4	5.0	9.0	29			1.5	4.0
03	143	4	6	10.5	18.5	128	6	8	9.0	15.0	114	6	10	9.0	15.0						69	6	4	5.0	10.0	62	4	2	5.0	9.5	45	4	2	5.0	9.0	29			1.5	3.0
04	143	6	7	11.5	18.5	130	5	8	9.5	16.5	115	5	9	10.5	18.5						69	6	4	5.5	10.0	62	4	2	5.0	10.5	45	4	2	6.0	10.5	27			1.0	3.0
05	143	5	7	11.0	18.0	130	5	11	11.0	20.0	114	6	16	14.0	23.0						69	7	6	6.0	12.0	62	4	4	4.5	9.5	43	4	2	6.0	10.0	25			1.0	3.0
06	140	6	9	13.0	22.0	126	7	13	15.0	25.0	113	5	24	15.0	27.0						61	7	10	11.0	18.5	54	4	6	7.5	13.5	41	3	4	6.0	9.5	27			3.0	5.5
07	139	6	14	14.5	23.0	126	8	20	16.0	25.5	112	7	23	15.5	27.0						55	8	19	10.5	20.0	48	7	13	7.0	15.0	37	5	6	8.0	12.0	27			2.5	5.0
08	136	9	9	15.0	24.0	124	8	16	14.5	24.5	105	13	21	14.0	26.5						49	10	19	13.0	19.0	41	9	16	11.0	16.0	33	8	11	8.0	11.0	25			4.0	7.0
09	135	8	10	17.0	23.5	123	7	23	14.5	24.0	108	8	29	15.0	25.0						43	18	16	15.0	21.0	36	12	14	11.0	17.5	31	6	12	7.5	10.5	25			3.0	5.5
10	136	9	13	16.5	25.0	125	7	23	16.0	25.0	106	10	25	13.0	24.5						45	10	20	5.5	8.0	31	15	13	9.0	13.0	31	4	14	7.5	10.0	25			5.0	8.0
11	136	11	9	15.0	24.0	122	12	10	14.5	24.0	104	14	18	15.0	25.0						43	14	14	7.0	8.0	34	11	14	9.5	17.5	27	4	10	9.0	13.0	25			4.0	7.5
12	135	7	8	12.5	23.0	120	10	12	15.0	24.5	104	10	20	15.5	25.0						37	22	12	13.5	20.0	28	10	10	11.5	16.0	26	7	9	8.0	10.5	25			3.5	6.0
13	137	15	8	13.0	22.0	124	12	12	13.5	23.5	110	18	16	13.0	25.0						41	34	12	13.5	25.5	40	26	18	5.5	9.0	31	18	10	7.5	12.0	31			4.0	7.0
14	141	12	10	13.5	20.5	130	14	16	13.5	22.0	111	17	15	12.0	22.0						54	32	22	14.0	24.0	49	21	26	12.0	19.0	35	14	6	8.0	13.0	33			4.0	7.5
15	139	14	6	12.5	19.0	126	15	11	12.0	20.5	109	16	12	12.0	21.0						49	30	17	7.0	12.0	38	26	10	9.5	15.0	37	10	9	7.0	12.0	33			3.5	7.0
16	141	10	8	12.5	19.0	126	11	9	12.0	20.0	109	13	15	13.0	22.0						50	29	17	11.5	19.0	34	20	10	7.5	12.0	39	8	5	5.5	9.0	32			3.5	6.5
17	140	7	8	8.0	15.0	124	10	10	10.0	18.0	110	8	18	11.5	21.0						51	15	15	7.0	10.5	50	8	7	5.5	10.0	43	3	4	4.0	7.5	33			2.5	5.0
18	138	7	8	11.0	17.5	122	10	10	12.0	20.0	108	7	12	10.5	18.5						55	10	10	5.0	9.0	60	2	7	4.0	8.0	45	2	2	4.0	7.0	31			3.0	6.0
19	139	5	8	10.5	18.0	124	8	6	9.0	16.0	108	8	8	7.5	13.5						65	5	6	6.0	11.0	62	6	4	5.0	9.0	45	2	2	4.5	7.0	29			3.0	6.0
20	141	2	6	8.0	14.0	126	5	7	8.0	13.0	108	10	7	7.0	12.5						65	6	3	6.5	11.5	64	2	5	4.0	8.0	47	2	2	3.5	6.5	29			3.5	6.5
21	141	5	7	8.0	13.0	126	10	6	7.5	11.5	110	9	8	7.5	13.0						67	6	4	5.0	9.5	64	4	4	3.5	6.0	47	2	2	4.0	7.0	31			3.0	6.0
22	139	6	5	7.5	13.5	126	8	4	6.5	12.0	110	7	7	8.0	14.0						67	6	4	4.0	9.5	62	3	3	4.5	7.0	47	2	2	4.0	7.5	31			3.5	6.5
23	141	4	6	10.5	16.0	128	4	6	9.0	14.0	110	8	5	7.5	14.0						67	6	4	4.5	9.0	62	2	4	4.0	8.0	47	4	3	3.5	6.5	31			3.0	6.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-EL

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month March 19 59

Hour (LST)	Frequency (Mc) .051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	125	10	10			107	11	6			92	11	12			83	9	6			51	11	7			60	4	5			44	4	8			25	0	2		
01	123	12	8			107	11	7			90	11	10			83	8	8			51	14	7			62	3	6			42	6	4			25	2	2		
02	125	10	8			105	12	4			88	10	10			81	9	12			51	14	7			60	4	6			42	4	3			25	2	2		
03	125	6	9			107	8	6			88	9	12			81	7	8			49	14	6			62	2	7			42	4	3			25	2	2		
04	125	7	7			107	6	9			84	11	8			83	8	7			47	13	4			60	5	4			42	2	4			25	2	2		
05	121	8	5			97	12	9			78	12	5			75	11	6			45	9	6			60	2	8			40	3	2			27	4	4		
06	117	8	6			91	11	6			76	9	5			71	4	4			39	4	7			50	6	10			38	7	4			29	4	5		
07	113	8	9			87	15	8			75	15	5			65	5	2			27	15	8			36	8	10			36	5	6			31	2	5		
08	107	10	8			87	14	8			76	15	6			67	4	2			21	2	4			28	6	4			32	3	6			31	4	7		
09	107	19	10			89	8	11			74	12	2			67	2	6			17	4	2			24	7	4			28	6	2			31	2	8		
10	109	16	12			86	20	7			78	10	8			65	4	3			17	4	2			23	5	5			28	4	2			29	3	5		
11	111	10	12			89	16	9			74	15	4			67	4	6			17	5	3			22	6	8			28	2	4			29	4	6		
12	110	17	11			87	18	14			76	14	6			65	4	4			19	2	5			24	4	10			28	2	2			31	4	4		
13	109	16	10			87	17	14			74	16	4			65	6	4			17	4	2			24	4	8			28	4	4			31	2	9		
14	113	14	14			95	23	14			75	12	4			65	6	3			17	4	2			24	4	7			30	4	5			33	3	7		
15	109	20	10			95	22	15			80	17	8			69	6	4			19	4	4			26	5	7			32	14	2			33	5	6		
16	113	19	16			96	21	13			79	16	9			71	4	8			21	5	5			32	11	7			36	11	5			33	8	4		
17	119	16	17			97	20	10			80	16	7			69	4	4			29	22	8			46	7	14			42	10	6			31	8	2		
18	117	16	12			103	17	9			84	17	12			77	8	8			41	19	8			54	6	7			44	9	6			35	3	10		
19	119	17	6			105	17	12			84	19	11			83	8	6			46	22	7			57	6	5			44	9	4			31	6	8		
20	121	18	8			107	16	11			85	20	8			89	5	11			49	17	9			58	5	2			44	9	4			27	8	4		
21	123	14	7			107	14	12			88	11	9			89	10	11			49	18	9			58	6	4			42	10	3			25	4	2		
22	123	18	8			107	16	10			88	17	8			89	9	8			52	15	17			60	4	4			44	7	5			25	2	2		
23	124	11	6			107	12	6			90	15	9			87	12	9			49	18	6			60	4	4			44	6	6			25	1	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month April 19 59

Hour (LST)	Frequency (Mc) .051					.113					.246					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	131	9	12			113	10	14			95	12	17			82					54	17	10			64	5	8			44	10	4			24	5	1		
01	132	6	11			114	8	13			94	13	15			82					50	22	6			60	8	4			44	9	5			23	7	1		
02	130	10	9			113	8	15			93	12	14			82					60	11	17			60	9	6			44	10	4			23	6	0		
03	128	10	7			112	7	13			94	13	18			80					54	17	10			62	7	8			44	9	4			23	6	1		
04	125	13	7			106	10	11			84	13	12			66					54	16	14			62	6	11			42	8	4			25	5	2		
05	119	12	8			95	14	7			73	14	8			58					46	14	11			52	8	7			40	10	5			27	7	4		
06	113	18	6			93	11	9			72	11	7			58					28	20	6			42	4	6			36	8	4			27	6	4		
07	110	18	11			94	12	9			74	8	9			58					24	25	6			30	11	5			32	7	3			29	3	7		
08	113	17	15			91	11	7			74	9	9			57					20	8	5			24	8	5			29	6	5			29	5	7		
09	115	10	15			95	7	10			74	10	9			56					18	7	4			23	5	7			25	8	4			29	6	9		
10	117	10	14			95	13	10			75	18	11			56					20	4	6			22	5	8			26	6	5			31	3	7		
11	117	12	10			97	16	10			76	21	11			56					16	8	2			22	5	9			26	6	4			31	4	6		
12	121	8	11			99	14	12			78	23	14			56					22	4	8			24	4	12			28	10	8			*31				
13	121	10	15			101	16	14			77	30	11			57					*20					*22					*28					*31				
14	123	12	11			103	10	15			80	23	15			60					*18					*22					*30					33	4	4		
15	123	10	10			107	6	12			84	16	13			60					20	15	6			26	13	12			32	14	4			33	4	6		
16	125	8	18			105	11	13			88	14	19			58					22	16	8			30	16	14			38	12	4			33	6	8		
17	126	8	17			108	8	19			85	16	18			62					30	17	14			46	2	15			42	9	5			33	5	7		
18	127	8	19			109	12	17			88	16	20			71					41	16	15			50	11	9			44	10	4			33	7	6		
19	130	7	16			114	7	20			94	12	23			77					52	13	13			58	8	9			46	9	3			31	7	6		
20	131	8	14			116	6	21			96	9	25			81					56	12	14			60	6	8			46	8	4			27	4	4		
21	130	8	11			113	12	17			95	12	22			86					58	10	14			58	8	5			44	8	2			25	5	2		
22	131	8	15			115	8	18			96	11	24			82					54	15	10			58	9	3			46	8	6			25	4	4		
23	131	7	14			113	9	15			94	13	20			82					55	14	12			60	5	3			45	6	5			23	6	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month May 19 59

Hour (LST)	Frequency (Mc) .051					.113					.246					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	140	7	5			128	8	12			112	8	13			98	6	10			69	4	13			65	3	5			47	2	3			24	2	0		
01	142	4	12			128	6	12			112	7	14			*94					68	5	7			65	3	5			47	2	8			24	3	0		
02	142	4	13			128	3	14			110	8	14			94	10	8			69	6	9			64	3	7			45	6	3			24	1	0		
03	139	9	11			123	12	9			108	10	10			88	14	18			67	6	12			63	3	7			44	5	5			24	1	0		
04	132	15	7			120	16	17			98	21	14			*71					56	15	18			59	4	8			43	6	3			24	3	1		
05	128	14	6			112	24	14			90	29	14			66	26	4			42	18	12			47	12	5			43	5	6			24	3	1		
06	126	18	8			114	20	18			91	25	19			*71					31	25	14			37	20	8			39	8	1			24	4	2		
07	126	15	8			113	17	23			94	22	24			*72					21	23	6			32	17	12			33	10	4			24	4	2		
08	128	10	10			112	18	22			92	24	18			*69					19	18	4			26	19	5			33	10	6			24	6	2		
09	128	10	12			112	17	16			94	22	17			*65					19	8	4			26	14	5			31	8	6			24	6	2		
10	132	10	10			114	16	2			98	14	10			72	22	12			20	26	5			28	20	9			31	12	6			24	6	2		
11	132	8	6			118	13	8			100	16	13			*79					19	40	4			28	17	10			31	8	4			24	6	2		
12	135	21	9			120	14	10			101	29	7			*82					23	60	6			24	34	6			33	18	6			26	6	4		
13	140	4	8			122	14	10			105	15	3			*83					33	26	14			29	35	9			35	8	4			26	14	4		
14	138	20	8			124	14	4			108	18	6			*82					37	44	20			31	31	7			39	6	10			29	13	7		
15	137	15	7			128	10	8			110	16	12			*94					38	39	19			42	28	14			42	7	7			28	10	4		
16	138	12	8			128	8	10			112	12	16			*94					47	25	30			44	12	4			45	2	4			29	6	2		
17	140	10	10			128	10	5			112	10	22			94	14	27			53	14	21			52	6	10			49	2	6			29	6	2		
18	142	7	12			129	9	8			113	8	18			90	14	21			56	9	10			58	5	9			50	3	3			30	5	3		
19	142	7	10			128	8	12			112	8	18			93	10	14			60	12	5			64	3	8			51	5	4			27	9	0		
20	142	11	5			130	6	7			114	6	10			94	10	10			66	10	8			66	4	6			51	7	4			26	7	2		
21	144	9	5			128	10	2			114	8	9			94	8	10			67	8	5			66	4	2			49	4	3			26	5	1		
22	144	5	5			128	8	2			112	8	5			100	4	10			69	6	6			66	4	10			47	5	4			26	2	2		
23	142	4	5			127	8	4			112	6	9			99	3	13			69	5	4			64	5	10			47	4	3			24	2	1		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month March 19 59

Frequency (Mc)

Hour (LST)	.051					.113					.246					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	122	12	11	11.0	19.0	106	12	6	6.0	8.0	90	16	9	7.0	13.5	79	15	9	7.0	13.5	54	15	4	4.5	8.0	62	4	7	3.5	6.5	44	6	7	5.5	11.0	23	2	0	2.0	3.5
01	122	12	10	10.5	18.0	104	14	4	6.0	7.5	90	15	10	8.0	13.0	79	13	11	7.5	13.0	52	16	3	5.0	8.0	62	4	9	4.0	7.0	44	7	7	6.0	9.0	23	3	0	2.0	3.0
02	122	10	7	10.0	17.0	104	11	4	5.5	7.0	92	11	14	8.0	15.0	79	11	12	6.5	12.0	54	14	6	5.0	8.0	62	5	8	3.0	5.0	44	6	6	5.5	9.5	23	3	0	1.5	3.5
03	122	9	6	10.0	16.5	106	8	8	6.5	10.0	88	12	12	7.5	13.0	76	12	10	6.5	11.0	54	12	6	5.0	8.0	64	3	8	3.0	5.5	44	2	6	6.0	9.5	23	3	0	2.0	3.0
04	122	9	6	10.5	16.0	102	14	8	7.0	11.0	85	14	12	7.0	12.0	74	12	14	6.5	11.0	52	13	4	5.0	8.5	64	4	10	3.0	6.0	42	6	4	6.0	9.5	23	3	0	2.0	3.5
05	118	9	4	11.0	17.0	92	12	7	7.0	10.0	72	10	4	6.0	9.0	62	18	4	3.0	5.0	50	11	5	4.0	6.0	62	5	8	3.5	6.0	40	11	3	5.0	9.0	27	3	3	4.0	6.0
06	116	9	6	9.5	15.5	86	14	7	4.5	7.0	68	15	2	6.0	8.0	60	20	4	2.0	4.0	48	3	6	3.0	5.0	56	5	10	4.0	6.0	40	11	4	5.5	8.5	29	4	6	3.5	5.0
07	108	11	5	12.0	18.5	84	19	8	2.5	5.0	68	16	2	7.0	9.0	60	19	4	2.0	4.0	46	2	7	2.0	4.0	40	4	8	2.0	3.5	36	6	7	4.0	6.0	31	4	6	2.5	4.0
08	104	13	7	11.0	16.0	86	13	9	3.5	5.0	70	15	4	6.0	8.5	60	18	4	2.0	4.5	44	4	3	2.0	3.0	38	4	4	2.0	3.5	30	4	4	3.0	4.5	29	3	5	3.5	5.0
09	*112			8.5	16.0	*90			5.5	8.0	70	17	4	5.5	8.0	60	20	2	2.5	4.5	*44			1.5	3.0	*38			3.0	4.5	28	3	2	3.0	4.0	29	1	4	3.5	5.0
10	106	16	14	12.0	18.5	86	10	12	4.0	6.0	70	16	4	5.5	8.0	62	18	4	2.0	4.0	44	4	2	2.0	3.5	38	2	4	2.5	4.0	26	4	4	2.5	4.0	28	6	6	2.0	3.5
11	108	16	12	11.0	18.5	87	15	11	1.5	3.0	70	17	4	5.0	7.5	61	20	3	2.0	4.0	46	2	4	2.0	3.5	38	2	2	2.0	4.0	26	5	4	2.5	4.0	27	8	2	3.5	5.5
12	106	18	9	11.0	18.0	85	14	10	3.0	5.0	70	17	4	5.5	9.0	62	18	4	2.0	4.5	46	2	3	1.5	3.0	38	4	4	2.0	4.0	26	4	2	3.0	4.0	29	4	4	3.0	5.0
13	108	15	11	11.0	16.5	86	12	10	4.5	5.5	70	17	4	5.5	8.0	60	22	4	2.5	4.5	46	2	4	1.5	3.0	40	2	5	2.0	4.0	28	3	4	3.0	4.0	31	3	7	2.5	4.0
14	111	14	16	11.0	18.0	84	22	8	3.0	4.0	70	22	4	5.5	8.0	62	20	4	2.5	4.0	46	3	6	1.5	3.0	40	3	7	2.0	4.0	30	8	4	3.0	5.0	31	5	4	3.0	5.0
15	108	19	16	10.5	18.0	90	22	14	6.0	9.0	73	25	5	5.5	10.5	62	20	5	2.5	5.0	46	2	6	2.0	3.5	40	3	4	2.0	4.0	32	12	3	3.5	6.0	31	6	2	3.5	5.0
16	113	19	24	11.0	19.5	86	27	8	3.5	7.5	73	26	7	6.0	8.5	63	18	5	2.0	4.5	46	2	6	1.5	3.0	42	6	4	2.5	4.0	38	11	4	6.0	9.0	31	5	3	3.5	5.5
17	111	22	18	7.5	14.0	94	22	8	5.0	8.0	78	25	10	5.5	9.0	64	20	6	2.5	4.5	46	3	3	3.0	4.0	50	9	7	4.0	6.5	42	10	4	6.0	8.0	33	4	3	2.5	4.0
18	116	18	13	8.5	15.0	100	20	6	4.0	5.5	80	26	8	5.0	9.0	72	18	10	4.0	7.5	50	14	5	3.0	4.5	60	6	8	4.0	7.5	44	10	4	5.0	8.5	35	5	10	3.5	5.0
19	118	18	7	9.0	16.0	102	19	6	5.0	7.5	86	21	14	6.5	13.5	78	14	13	4.0	7.0	52	20	5	3.5	6.5	60	6	7	3.0	5.5	44	10	4	6.0	9.5	35	6	12	4.0	6.0
20	120	15	6	9.5	17.0	104	16	7	4.0	7.0	88	18	11	6.5	9.5	80	14	13	5.5	10.0	56	17	9	3.5	5.5	62	6	7	3.0	6.0	44	9	4	5.5	10.0	25	6	3	4.0	5.5
21	120	16	7	11.0	19.0	104	15	6	4.0	6.0	86	20	9	6.5	12.0	78	15	8	8.0	14.5	54	16	6	4.0	6.5	62	5	7	3.0	5.5	44	6	7	5.0	8.5	23	3	0	2.0	3.5
22	120	15	8	10.0	17.5	104	14	5	5.0	6.5	90	16	10	8.0	13.0	80	16	8	6.0	13.0	52	16	3	4.5	9.5	62	4	8	3.5	6.5	46	6	8	5.5	9.0	23	3	0	2.0	3.5
23	120	13	7	10.5	18.0	106	11	6	4.5	7.0	92	16	9	7.0	14.0	81	14	10	8.0	14.0	54	16	5	5.0	10.0	62	4	7	4.0	6.0	44	6	7	6.5	10.0	23	2	2	2.5	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month April 19 59

Hour (LST)	Frequency (Mc) .051					.113					.246					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	130	9	10	8.0	15.5	114	10	9	5.5	9.5	94	15	6	6.5	12.0	84	12	8	5.0	9.5	61	12	9	*5.5	*10.0	63	4	4	*4.0	*7.0	46	3	4	*5.0	*10.5	23	2	0	1.5	3.5
01	128	10	7	9.0	16.5	114	9	9	6.0	11.0	96	13	9	6.0	9.5	86	10	10	4.5	10.5	61	12	9	5.0	9.0	65	2	8	3.0	6.0	46	5	4	5.5	10.0	25	0	2	*2.0	*3.5
02	128	8	8	9.5	16.0	114	8	10	6.0	10.5	94	12	8	8.0	12.5	86	8	11	7.0	14.5	59	13	6	4.5	9.0	65	3	8	*4.0	*8.0	46	3	4	*5.5	*10.0	23	2	0	2.0	4.0
03	126	10	6	9.0	17.0	110	12	7	8.0	13.0	94	11	8	7.5	14.0	84	11	12	6.0	11.0	57	14	7	5.5	9.0	63	4	5	3.5	6.5	46	5	6	*5.5	*9.5	23	2	0	2.5	4.0
04	124	11	5	10.5	18.0	106	5	10	*9.0	*16.0	84	17	10	*4.5	*9.0	74	14	13	*8.5	*11.0	57	12	8	*5.0	*7.0	61	6	4	*4.0	*6.0	42	9	2	5.5	10.5	25	0	2	2.5	4.0
05	118	12	5	11.0	18.0	90	11	8	8.5	13.0	72	20	4	5.0	8.0	65	11	8	3.0	4.0	50	10	4	*4.0	*7.0	54	5	3	*3.5	*7.0	40	6	2	*5.5	10.0	27	4	4	*2.0	*3.0
06	113	16	4	10.0	18.0	85	12	9	4.5	7.5	73	15	5	5.5	8.5	62	11	6	3.0	5.0	47	6	4	*2.0	*4.0	43	4	4	*3.0	*5.5	36	6	2	4.0	7.0	27	3	4	2.5	4.5
07	110	15	10	10.5	18.0	90	8	13	9.0	16.0	72	15	3	*6.5	*10.0	62	10	6	3.0	5.5	47	2	6	2.0	4.0	41	5	6	2.5	4.5	32	6	2	4.0	7.0	27	4	4	*2.0	*4.0
08	112	16	12	12.5	18.0	90	16	13	5.0	8.0	72	12	4	4.0	7.0	64	8	6	2.5	5.0	47	2	4	*2.0	*3.0	41	4	7	*1.5	*3.5	30	3	2	*3.0	*4.5	27	4	4	*2.0	*5.0
09	*116			*13.0	*19.0	*88			*7.0	*12.0	*72			*7.0	*10.0	66	12	8	*2.5	*4.5	*45			*2.0	*4.0	*40			*2.0	*4.0	*28			*2.5	*4.5	27	7	4	*3.0	*5.0
10	114	15	11	11.0	19.5	89	25	11	*6.0	*10.0	73	27	5	5.0	8.0	66	10	6	3.5	5.0	47	2	4	*2.0	*3.5	42	3	5	*2.5	*4.5	28	6	2	*2.5	*5.0	27	6	2	*4.0	*7.0
11	118	14	10	11.0	17.5	94	18	14	6.5	12.0	76	22	6	5.0	8.0	66	13	8	3.0	5.5	47	4	4	2.0	3.5	43	4	8	2.0	4.0	28	5	4	2.5	5.0	29	9	4	*4.0	*7.5
12	122	9	11	11.0	17.0	95	20	14	7.5	13.0	75	28	4	*4.5	*7.0	64	14	6	3.0	5.0	47	4	2	*1.5	*2.5	43	4	7	2.0	4.0	28	7	4	2.5	5.0	31	6	6	*3.0	*5.5
13	122	10	12	10.0	14.5	96	22	15	9.0	13.0	78	26	8	*11.0	*16.5	68	16	8	*7.5	*4.0	49	4	6	2.0	3.0	43	4	6	1.5	4.0	30	8	4	3.0	5.0	30	7	7	*3.5	*8.0
14	124	10	12	10.0	15.5	95	25	11	6.5	12.0	80	24	8	5.5	9.0	67	17	7	2.5	5.0	47	8	4	2.0	5.0	43	4	4	2.5	5.0	32	10	4	*3.5	*6.5	33	8	10	*3.0	*6.0
15	122	8	9	9.5	14.0	100	20	15	8.5	12.5	78	26	7	6.0	9.5	68	17	10	3.5	6.0	47	8	4	*2.0	*4.0	43	4	6	2.0	4.0	36	10	4	4.0	8.0	33	7	7	4.0	7.5
16	122	12	10	13.0	13.5	102	17	12	7.0	13.0	80	24	10	5.0	8.5	66	20	6	3.0	5.5	48	10	5	2.0	4.0	45	5	6	2.0	4.5	40	8	5	3.5	7.0	33	4	8	*3.0	*5.5
17	123	11	3	9.0	16.0	103	14	15	6.0	8.5	84	20	15	7.0	12.5	70	20	9	3.5	5.5	49	5	5	2.0	4.5	47	10	2	2.5	5.0	46	4	6	4.0	8.0	33	8	7	2.5	5.5
18	122	10	10	9.0	14.0	107	12	13	6.0	10.5	91	15	14	6.0	9.5	76	12	15	3.5	6.0	51	11	6	3.5	7.0	55	6	6	3.5	6.0	48	4	4	*5.0	*9.0	35	7	11	*3.0	*6.0
19	126	11	9	8.5	14.0	114	9	11	6.0	9.5	99	10	15	6.0	11.5	80	13	13	6.5	12.0	59	11	8	3.5	7.5	61	6	6	3.5	6.0	46	6	2	*5.0	*8.5	31	8	8	3.0	5.5
20	128	8	10	8.5	14.5	114	9	11	7.0	11.5	98	10	15	7.0	14.0	82	13	13	8.0	12.0	61	10	10	4.0	7.5	61	5	6	4.0	7.5	48	4	4	*5.5	*9.5	25	5	2	3.0	5.0
21	130	7	10	9.0	14.0	112	12	11	5.0	10.0	96	14	14	7.0	13.0	82	14	10	7.0	12.0	59	14	6	4.5	8.0	61	5	6	4.0	7.0	48	2	4	*6.0	*9.5	25	2	2	2.5	4.5
22	130	7	11	9.5	16.0	112	10	11	6.5	9.5	94	14	11	6.0	10.5	84	13	9	6.0	9.5	59	13	6	5.5	10.5	63	4	6	4.0	7.5	46	4	4	*5.5	*10.0	25	1	2	2.0	4.0
23	128	8	10	9.0	16.0	112	11	9	5.5	9.0	94	15	7	6.0	10.0	84	11	7	6.5	10.0	61	11	9	5.5	11.0	63	2	7	*4.0	*9.0	46	6	4	*5.5	*10.5	25	0	2	2.0	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-EL

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month May 19 59

Frequency (Mc)

Hour (LST)	.051					.113					.246					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	138	6	5	6.5	12.5	123	5	7	6.0	12.0	109	6	10	6.0	12.5	94	6	8	6.5	13.0	72	6	7	4.0	8.5	62	4	4	3.5	8.0	47	4	6	4.0	8.0	25	5	1	1.5	4.0
01	138	4	8	7.5	14.0	124	4	8	7.0	13.5	107	8	6	6.5	13.5	94	6	9	6.0	14.0	71	7	6	3.0	8.0	62	5	7	4.0	8.0	45	6	2	5.0	8.5	25	3	1	1.5	3.0
02	138	6	6	8.0	15.0	122	4	8	7.0	13.0	109	4	10	6.0	12.0	94	4	8	6.5	13.0	71	6	7	4.5	9.0	62	4	4	4.0	8.0	45	6	4	4.5	8.0	25	3	1	1.0	3.0
03	136	6	6	8.5	16.0	122	6	8	7.5	14.5	105	8	10	7.0	15.5	88	8	14	7.5	17.0	71	6	8	5.0	8.0	62	3	6	4.0	8.0	45	3	4	4.5	8.0	25	2	1	1.0	3.0
04	132	4	6	10.0	18.0	112	10	9	10.5	19.5	93	13	15	10.0	18.5	70	16	8	5.0	9.5	67	2	11	5.0	11.0	58	4	5	4.0	8.0	44	3	5	4.5	8.0	25	3	1	1.0	3.0
05	130	8	8	10.0	17.5	110	12	12	8.5	19.0	89	17	11	7.5	15.0	68	18	6	5.0	11.0	51	12	6	5.0	9.0	48	9	5	4.5	8.0	43	4	4	5.0	8.5	27	3	3	1.5	3.0
06	128	6	6	10.0	18.0	110	10	12	10.0	19.0	87	19	12	8.0	15.0	70	15	8	5.0	9.0	48	3	8	2.0	4.5	44	4	9	3.0	5.0	39	8	5	5.0	8.0	25	3	2	*1.5	*3.5
07	126	8	6	10.0	18.0	110	10	13	10.0	19.0	85	20	11	7.5	15.0	72	15	10	5.0	9.5	45	4	5	*2.0	*4.0	43	2	9	2.0	3.5	35	8	7	4.0	7.0	26	2	3	2.5	4.5
08	128	6	8	9.5	18.0	110	12	14	11.0	18.0	89	14	15	9.0	16.5	68	16	4	*5.0	*9.0	47	4	6	2.0	3.0	42	2	8	2.0	3.0	31	8	4	3.0	5.0	25	6	3	2.5	4.0
09	*124			*11.0	*19.5	*106			*11.5	*19.0	*87			*9.0	*16.0	71	9	10	*4.5	*7.0	*47			*1.0	*2.5	*42			*1.0	*2.5	*33			*3.0	*6.0	*25			*2.5	*4.0
10	129	7	7	10.5	19.5	112	8	12	12.0	19.0	91	15	8	12.0	20.0	74	13	8	6.5	12.0	49	12	3	1.5	3.5	42	6	6	2.0	4.0	31	8	5	*3.5	*5.0	27	7	4	*2.5	*4.0
11	132	9	8	10.0	17.0	116	8	18	10.5	17.0	99	14	20	*9.0	*17.0	76	30	10	*8.0	*15.0	49	15	2	*1.5	*3.0	44	8	6	2.0	3.5	33	8	4	*4.0	*6.5	27	13	4	2.5	4.5
12	134	8	4	8.0	14.5	118	10	12	9.0	15.5	99	16	12	11.5	19.5	86	20	18	13.0	18.5	50	21	3	2.5	4.0	44	12	6	*2.0	*4.0	37	7	9	4.0	7.0	27	13	3	*5.0	*8.0
13	137	3	7	6.5	12.0	118	8	4	8.5	15.5	104	9	7	12.5	20.5	90	14	13	12.0	21.5	53	15	6	2.0	3.5	44	5	6	2.0	3.5	37	4	4	*3.0	*6.0	28	10	3	*3.0	*5.0
14	139	4	4	8.0	13.5	124	8	6	9.0	16.5	111	10	12	9.0	18.5	96	18	20	9.5	19.5	61	12	8	2.5	5.0	48	6	10	*1.5	*3.5	41	9	7	5.0	9.0	32	9	6	*2.5	*4.5
15	140	6	6	7.5	13.5	124	14	6	10.0	17.0	111	12	11	7.5	15.0	95	16	20	9.0	18.0	57	22	10	*2.5	*4.0	46	20	5	4.5	7.0	43	10	8	4.0	9.0	31	9	5	3.5	7.0
16	140	8	6	6.5	11.5	124	12	6	7.0	15.0	109	15	11	7.0	14.0	94	20	20	7.0	14.5	56	23	9	2.0	3.5	48	14	6	4.0	7.0	47	2	7	4.0	8.0	33	8	7	3.5	6.5
17	140	7	7	7.5	13.5	125	11	8	6.0	12.5	111	12	14	7.0	13.0	94	16	14	7.0	12.0	57	21	10	5.0	9.0	52	11	8	3.0	6.5	49	2	3	3.5	7.5	30	10	4	2.0	4.5
18	138	8	7	6.5	12.5	123	11	8	5.5	11.0	109	14	12	5.0	9.0	94	16	19	6.0	11.0	59	19	10	7.5	14.5	58	6	9	3.5	8.0	51	3	4	3.0	7.0	32	10	5	3.5	6.0
19	139	5	6	6.0	12.0	124	9	7	6.0	12.0	109	11	8	4.5	9.5	92	15	10	5.0	10.0	67	8	5	4.0	8.5	64	4	6	3.0	7.0	53	3	4	4.0	8.0	29	13	4	3.0	4.5
20	141	5	7	6.5	11.5	126	6	7	6.0	12.5	111	10	7	5.5	11.0	94	12	6	5.0	10.5	71	8	4	3.0	6.0	64	6	6	3.5	7.5	49	6	2	3.5	8.0	27	5	3	2.5	5.0
21	142	4	8	6.5	13.5	126	4	7	6.0	12.5	110	5	7	6.0	11.0	96	5	8	6.0	11.5	71	9	4	3.5	7.0	64	5	6	3.5	7.0	49	6	4	3.5	7.0	27	4	3	2.5	4.5
22	140	5	7	7.0	13.5	126	5	9	6.0	12.5	109	7	7	6.5	13.0	96	6	8	5.0	11.5	73	7	6	3.0	7.0	64	4	8	3.5	7.0	49	4	4	4.0	8.0	26	3	2	1.5	3.5
23	140	4	7	7.0	13.0	124	6	7	7.0	12.5	109	5	6	6.0	12.0	94	6	6	6.0	11.0	71	8	5	3.5	8.0	64	4	7	4.0	8.5	47	6	2	4.0	8.5	26	2	2	1.0	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month March 19 59

Hour (LST)	Frequency (Mc) .051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	112	4	4			85	6	3			74	2	3			62	4	3			32	8	4			38	9	3			32	6	5			25	10	3		
01	112	5	4			85	5	2			72	3	1			62	3	4			32	4	6			35	10	6			30	8	6			24	2	2		
02	110	5	2			83	5	2			72	4	2			60	2	3			30	8	2			34	7	11			30	8	8			24	2	4		
03	*110					83	1	2			74	2	4			*60					31	3	3			30	13	7			28	8	6			24	2	4		
04	110	2	3								*73					*60					*30					31	14	6			26	10	8			22	4	4		
05	110	2	4			*83					*73					*60					*32					28	15	5			28	7	12			23	3	3		
06	108	2	2			83	4	4			72	4	2			60	4	2			*31					27	6	4			26	8	12			23	3	3		
07	108	2	4			83	4	2			72	4	2			*60					30	4	4			29	4	8			24	7	7			*22				
08	108	10	4			83	4	2			72	4	2			*60					*30					24	4	6			24	4	6			*24				
09	106	4	2			83	2	4			*74					*62					*30					*25					*24					*22				
10	106	2	2			83	2	2			72	4	2			*62					30	2	2			25	2	4			19	11	7			22	4	0		
11	106	2	3			*83					74	4	6			61	3	3			28	6	2			*25					22	6	6			24	2	2		
12	106	2	2			83	4	2			74	4	4			*62					28	4	0			27	2	6			26	6	10			24	4	2		
13	106	2	2			83	4	2			74	2	4			*62					30	4	2			25	4	4			26	6	4			24	2	2		
14	108	2	4			*83					*74					*62					*30					*29					*28					*24				
15	*108					*83					*74					*62					*32					*30					*26					*22				
16	*108										*72					*62					*33					*33					*29					*22				
17	108	4	4			83	6	2			72	4	2			*62					32	4	4			33	10	7			30	5	7			24	2	2		
18	110	3	4			85	5	3			74	4	4			*62					34	4	6			35	12	12			32	6	6			24	2	4		
19	110	4	3			87	2	6			76	1	4			*62					36	4	5			35	12	11			31	9	6			24	2	3		
20	110	5	4			86	3	5			74	4	4			*62					34	4	0			39	8	12			32	6	5			24	4	2		
21	110	4	4			85	6	4			74	3	3			62	2	2			33	7	5			40	5	11			32	7	6			24	4	4		
22	110	3	0			85	4	3			74	3	2			62	2	4			32	7	4			37	8	16			32	6	6			24	2	2		
23	112	3	4			*85					74	2	2			62	4	4			32	8	2			39	6	16			32	10	9			24	5	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month April 19 59

Hour (LST)	Frequency (Mc) .051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	112	4	4			88	6	6			73	4	2			59	5	3			30	6	4			35	8	8			26	10	6			21	1	3		
01	110	6	2			88	6	6			73	4	2			60	2	4			30	8	4			35	10	8			29	7	7			20	2	1		
02	110	4	2			88	4	4			73	2	2			60	2	4			30	2	4			35	5	9			27	7	7			20	2	2		
03	110	4	2			88					75					61					28	4	2			31	6	8			25	7	8			20	2	2		
04	110	3	2			88					73					59					32					29	9	7			24	6	8			20	2	2		
05	110	2	2			88	4	4			73	2	2			58	5	2			30	2	4			29	12	6			22	6	6			20	2	2		
06	110	4	4			88	4	4			73	2	2			59	3	3			28	4	2			27	12	6			24	5	8			20	2	2		
07	110	2	4			88	4	4			73	6	2			60	2	3			28	4	2			26	6	5			24	6	6			20	2	0		
08	108	4	2			88	4	4			73	4	2			58	4	2			28	2	2			25	6	4			25	4	6			21	3	2		
09	108	2	2			86	4	2			72	3	3			60	2	4			28	4	4			25	6	4			22	4	2			20	2	2		
10	106	4	2			86	6	2			75	4	4			60	2	4			26	4	0			25	6	4			22	4	4			20	6	2		
11	106	3	2			86	6	4			73	4	2			60	2	6			28	2	4			27	4	6			22	4	4			20	6	0		
12	106	2	2			86	6	2			75	2	2			61	4	5			28	2	2			27	7	4			24	4	4			20	2	0		
13	106	2	2			86	6	2			75	0	4			60	6	4			28	4	2			27	9	4			24	2	4			20	2	0		
14	106	2	0			86	6	2			75					62					28	2	2			29	8	4			24	8	6			22	0	4		
15	108	2	1			86															30					31	6	6			26	4	6			22	1	2		
16	109	3	3			87					73					60					28					32	7	9			30	3	6			22	0	2		
17	109	4	3			87	7	3			73	16	2			60	4	2			30					35	6	9			30	4	4			21	3	1		
18	108	6	2			88	6	4			75	4	6			60					31	5	3			37	4	12			30	6	2			22	2	2		
19	110	4	3			90	4	4			73	6	2			58	4	2			32	6	5			37	6	12			31	5	6			20	2	2		
20	110	6	4			90	2	6			73	6	2			60	4	4			32	4	6			36	9	13			32	5	8			20	4	0		
21	110	6	2			88	4	4			73	4	2			60	4	4			30	6	2			36	7	7			30	8	8			21	3	1		
22	110	6	2			88	6	4			73	5	2			60	2	4			30	6	3			35	7	8			30	6	8			20	2	0		
23	110	5	2			88	5	4			73	4	2			60	4	2			31	7	5			35	8	8			29	9	7			20	4	0		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month May 19 59

Hour (LST)	Frequency (Mc) .051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	111	2	6			85	2	4			72	4	0			58	4	2			35	4	4			30	13				26	6	11			20	5	2		
01	109	4	4			85	2	2			72	4	2			58	4	0			38	2	2			29	14				26	6	12			20	2	2		
02	109	4	4			86	1	3			72	2	2			58	3	1			35	2				29	12				24	8	11			20	2	2		
03	109	2	6			85					74					58					33	4	4			29	10				24	6	14			20	2	2		
04	109	2	4			83					74					58		4			33		4			28	10				22	6	12			20	3	3		
05	109	2	4			85	4	2			74	2	3			60	0	3			33	4	4			26	14				22	6	8			20	4	2		
06	107	4	4			85	4	2			74	4	2			60	2	2			33	2	6			25	6				22	4	8			20	2	2		
07	109	0	6			85	2	2			74	3	2			59	2	2			33	5	4			27	4				22	4	10			20	4	2		
08	107	2	2			85	2	2			72	3	0			58	4	3			35	4	4			25	8				24	2	10			20	2	2		
09	107	4	3			85	2	2			72	4	1			58	4	3			33	4	4			25	8				22	4	8			20	2	2		
10	107	2	4			83	4	0			74	2	4			58	4	3			33	3	2			25	8				22	4	9			20	2	2		
11	107	2	2			84	3	3			72	2	3			58	4				33	3	2			27	6				24	2	10			20	2	2		
12	105	2	2			85	2	2			73	1	1			60	2				31	4	5			27	6				22	4	8			20	2	2		
13	107	0	2			83	3	0			74	2	4			60					33	4				29	4				24	2	7			22	0	4		
14	105	4	2			84	3	1			74	2	4			60					35	2				29	6				24	2	12			20	2	1		
15	107	4	2			85					72							1			35		4			31	5				24	4	10			20	2	1		
16	109	2	4			83					73					58		2			35		5			29	10				26	2	7			22	0	6		
17	107	4	4			83	2	0			74	4	2			58	4	2			33	4	4			29	14				26	8	8			20	2	2		
18	107	4	2			85	2	2			74	2	2			58	4	4			35	2	4			29	14				27	7	13			20	2	2		
19	107	6	2			85	2	4			72	2	2			58	2	0			35	2	4			37	6				27	5	12			20	2	2		
20	107	6	3			85	2	2			74	4	2			60	2	2			35	2	4			33	14				28	6	12			20	2	2		
21	107	7	2			85	2	2			72	2	1			58	4	2			35	4	4			31	14				28	4	8			20	2	2		
22	109	4	4			85	2	2			74	2	4			60	4	2			35	4	4			35	8				26	6	8			20	2	2		
23	109	5	4			85	4	2			74	4	2			60	2	4			35	5	4			35	8				26	8	11			20	2	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month March 19 59

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	158	5	4	9.0	14.5	130	8	4	10.5	17.5	108	6	8	10.0	18.0	91	4	11	8.5	18.0	62	6	9			57	3	5			44	3	2			23	6	0		
01	160	4	4	10.0	15.0	130	8	7	10.0	17.0	108	6	8	9.5	16.5	89	6	12	8.5	16.0	62	4	9			56	3	5			44	2	2			25	1	2		
02	160	4	4	9.0	15.0	133	4	7	10.0	17.0	108	6	9	9.0	16.5	89	4	13	9.0	17.0	60	6	8			55	4	4			44	3	2			23	3	0		
03	160	4	5	9.0	15.0	132	5	8	9.5	15.5	108	5	10	10.5	18.0	88	5	12	9.5	18.0	60	5	10			57	2	6			43	7	3			23	2	0		
04	158	4	3	10.0	15.5	130	5	6	10.0	16.0	106	8	8	9.5	18.0	87	4	13	8.0	15.0	62	4	12			55	4	3			43	3	4			23	0	0		
05	158	4	2	10.5	17.0	130	6	6	10.5	18.0	104	8	10	11.0	19.0	80	7	13	10.5	17.5	60	6	12			57	6	4			43	3	5			23	2	0		
06	158	4	5	10.5	17.0	124	6	5	10.0	16.5	89	12	9	11.5	18.5	57	4	3	3.0	4.5	52	10	11			51	4	4			40	5	2			25	2	2		
07	155	5	4	10.0	17.5	120	10	6	11.0	17.0	77	19	12	11.0	14.5	57	4	4	3.0	5.0	34	7	8			33	6	4			36	6	4			23	4	2		
08	154	6	4	12.0	19.0	120	7	10	13.0	21.0	82	21	14	12.0	18.0	57	11	4	3.5	5.0	28	9	4			31	6	7			30	8	6			23	3	2		
09	154	8	4	13.0	20.5	119	1	10	14.5	22.5	82	26	14	12.5	19.0	57	7	4	4.0	5.5	26	9	4			31	3	8			24	12	4			21	4	3		
10	155	6	7	13.0	20.0	120	10	12	14.0	23.0	84	30	16	12.5	20.0	55	17	2	4.0	6.0	24	8	3			29	5	7			22	7	3			21	4	3		
11	155	7	9	13.0	20.5	124	6	18	12.5	22.5	88	10	18	10.0	18.5	55	8	4	3.5	5.0	25	5	3			31	2	10			22	4	4			21	4	4		
12	156	6	8	14.0	21.0	126	4	10	11.0	20.5	92	8	14	9.0	17.0	57	8	6	3.5	5.0	23	5	5			29	4	10			23	3	7			21	4	4		
13	156	6	4	12.0	19.0	126	8	6	9.5	18.5	94	9	9	8.5	16.5	57	12	5	4.5	7.0	24	6	6			29	4	10			26	2	6			22	5	3		
14	158	6	4	11.0	18.5	128	6	4	8.0	15.0	94	14	8	8.0	15.5	57	21	6	4.5	7.5	24	9	4			30	5	10			28	4	9			23	5	2		
15	160	4	7	10.0	17.0	128	6	14	7.5	14.0	96	7	20	8.0	14.0	55	13	8	5.0	7.0	24	13	4			29	6	8			30	7	9			25	4	4		
16	160	2	6	8.5	16.0	128	6	4	7.5	14.0	96	15	17	8.0	15.0	59	22	10	4.5	7.5	24	7	4			32	6	9			36	7	10			27	4	6		
17	160	4	7	9.0	14.0	128	7	11	7.0	12.5	96	17	20	8.0	14.0	59	18	10	4.0	6.5	32	12	7			40	5	11			40	4	4			27	5	4		
18	159	3	7	8.5	15.0	126	8	8	8.0	15.0	104	8	15	7.0	13.0	82	4	14	5.0	10.0	50	7	13			57	4	10			44	3	4			28	4	5		
19	158	4	7	9.0	15.0	132	5	9	8.0	16.0	110	7	14	6.5	14.5	87	10	14	5.5	10.0	60	8	10			59	6	5			44	4	2			27	4	3		
20	160	5	8	10.0	16.0	134	4	10	8.5	15.0	110	8	14	8.0	15.0	87	12	5	5.5	10.0	66	6	16			59	4	4			46	2	2			25	6	2		
21	159	7	6	10.0	16.5	132	9	8	8.5	15.0	108	9	2	7.5	15.5	89	10	7	6.0	11.0	64	8	9			59	6	3			44	4	2			25	4	2		
22	158	7	5	10.5	16.5	130	8	6	9.5	17.0	108	8	8	8.0	15.5	91	9	9	7.5	14.0	63	7	8			59	4	3			44	4	2			25	4	2		
23	158	7	4	10.0	15.0	130	9	4	9.5	16.5	106	11	6	8.5	16.0	91	8	7	8.5	18.0	62	8	7			57	4	4			44	3	2			25	4	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month April 19 59

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	156	5	2	7.5	12.0	126	4	2	9.5	15.0	102	10	3	10.0	17.5	83	8	5	10.5	18.0	54	7	6	8.5	12.5	51	7	5			42	2	2	4.0	6.5	23	3	0		
01	156	2	1	7.0	12.0	126	7	2	9.5	15.5	102	8	5	10.0	18.0	81	8	3	8.5	16.5	52	8	5	7.5	12.5	51	6	5			42	2	3	4.5	7.5	23	4	2		
02	156	3	2	7.0	11.5	126	5	2	9.0	14.0	101	7	4	9.0	14.0	79	8	2	9.0	16.0	50	8	4	6.5	10.5	50	6	3			42	1	2	4.0	7.0	23	3	2		
03	156	2	2	7.5	12.0	126	5	3	9.0	14.0	101	7	3	10.0	16.0	79	9	5	9.0	15.0	50	8	5	8.0	13.0	51	4	2			40	3	1	5.5	8.0	23	0	2		
04	156	4	2	8.5	13.5	126	4	2	8.5	13.5	100	7	3	10.0	17.0	80	8	5	8.0	14.0	50	8	4	7.5	12.5	51	4	3			40	4	1	5.5	8.5	23	0	2		
05	156	2	4	9.0	14.5	124	7	3	8.0	14.0	97	7	4	10.0	17.0	78	8	9	9.0	13.5	50	8	6	8.5	13.5	51	4	5			40	3	4	4.5	7.5	23	0	2		
06	156	2	2	9.5	15.0	122	3	4	9.0	14.0	89	8	9	8.5	13.5	59	11	4	4.0	5.5	48	7	6	8.5	13.0	51	3	4			38	5	2	5.0	9.5	23	2	2		
07	154	4	4	8.5	14.5	116	6	2	8.5	14.5	69	12	4	5.0	8.0	57	2	4	3.0	4.5	30	10	6	8.5	12.5	35	4	4			34	5	2	7.0	9.0	21	3	0		
08	152	2	4	9.5	16.0	112	8	10	11.0	16.0	69	14	6	4.0	5.0	57	5	4	3.0	5.0	24	4	4	6.5	8.5	29	4	8			28	2	6	6.5	9.5	21	4	2		
09	152	2	4	10.5	17.0	108	11	8	12.5	19.0	72	17	6	9.0	12.0	55	7	3	3.5	5.0	22	4	4	3.0	5.5	31	5	10			23	5	6	6.0	9.0	19	3	2		
10	152	3	4	11.0	17.5	109	10	9	15.0	22.0	70	18	5	7.5	9.0	55	4	4	2.0	4.5	22	4	4	4.5	5.5	31	2	11			22	6	5	5.0	7.0	17	4	2		
11	150	4	4	12.0	19.0	110	10	8	14.0	22.5	74	17	11	8.0	11.0	55	6	6	3.0	5.0	20	4	2	5.0	5.5	31	2	10			21	5	7	3.5	5.0	17	9	2		
12	150	4	4	13.5	21.5	114	8	12	13.5	21.0	77	16	14	11.5	18.0	55	6	6	3.0	5.0	22	4	4	4.0	6.0	31	2	8			21	8	5	5.0	7.5	17	6	2		
13	152	2	4	14.0	22.0	114	8	8	13.0	22.0	81	16	14	10.5	19.0	53	9	4	2.0	5.0	22	2	4	3.0	4.0	31	2	2			22	8	6	3.5	5.5	19	6	2		
14	154	2	6	12.0	21.0	117	9	9	13.0	20.0	81	16	12	10.5	18.0	55	6	6	2.5	5.0	22	4	4	4.0	5.0	31	2	8			22	12	6	5.0	7.5	21	4	2		
15	154	2	4	12.0	20.0	118	6	8	12.0	21.0	85	6	20	9.5	17.0	55	4	4	1.0	3.5	22	4	4	3.0	5.0	31	2	4			32	0	12	7.0	9.5	23	4	4		
16	154	4	2	10.0	17.0	118	8	6	11.0	19.5	87	12	18	10.5	19.0	55	9	4	3.0	5.0	25	11	7	5.0	11.0	31	6	8	8.0	13.0	33	7	3	7.0	11.0	25	4	4	2.0	4.0
17	154	4	2	10.0	16.5	118	8	8	10.0	18.0	91	13	14	10.0	19.0	63	17	8	4.0	6.5	34	7	9	8.5	12.5	39	9	9	8.5	14.0	38	5	4	7.0	10.5	25	10	2		
18	154	2	2	9.5	15.0	120	6	6	10.0	18.5	97	9	8	11.0	21.0	77	8	6	6.5	12.0	46	12	7	8.0	15.0	47	8	8	10.0	16.5	41	4	4	7.0	10.0	27	13	4	5.5	10.0
19	154	6	2	9.0	15.0	124	6	4	10.0	18.0	101	9	8	10.0	20.0	82	6	6	6.5	14.0	55	9	9	8.0	14.0	55	7	4			42	4	2	6.0	10.0	27	9	4	8.0	12.5
20	156	5	3	9.0	15.0	126	5	3	10.0	17.0	103	9	7	9.0	17.0	85	7	6	7.0	13.0	56	10	7	8.5	15.5	55	6	4	8.5	14.0	42	4	3	6.5	9.5	27	4	4	7.0	10.0
21	156	5	2	8.5	14.0	126	4	6	8.5	15.0	103	8	7	8.5	16.5	85	6	4	7.0	13.5	57	6	7	9.0	14.5	55	5	5			42	2	2	4.0	7.0	26	4	2		
22	156	4	2	8.5	13.5	126	5	2	9.0	16.0	101	10	4	9.0	16.0	85	7	6	8.0	16.0	56	7	6	7.0	11.5	56	4	5	5.5	10.0	42	3	2	5.0	8.0	24	4	1		
23	156	4	2	8.0	13.0	126	6	2	9.5	15.5	101	10	3	9.0	16.5	83	9	4	9.0	17.0	54	9	4	7.0	11.5	53	6	6	4.5	9.0	42	4	2	4.5	7.5	23	3	2	6.0	10.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6S Long. 130.4E Month May 19 59

Hour (LST)	Frequency (Mc) .013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	156	4	2	7.0	11.0	127	4	4	7.5	13.0	100	9	6	9.0	14.5	79	10	8	8.0	13.5	54	10	8	6.0	10.0	52	8	4	6.0	10.0	41	2	2	4.0	6.5	24	2	2	*3.5	*5.0
01	156	4	2	6.5	11.0	127	4	5	8.5	13.0	100	8	5	9.0	15.5	81	6	8	8.0	14.0	54	8	7	6.5	11.5	52	10	3	6.0	9.0	41	4	2	4.5	7.0	24	0	2	*3.0	*3.5
02	156	4	2	7.0	11.5	127	4	12	7.5	12.0	100	10	4	8.0	15.0	81	9	10	7.5	13.0	54	7	7	7.0	11.0	52	8	4	7.0	6.5	41	2	2	4.5	6.5	24	0	2	*6.5	*10.0
03	156	4	2	7.0	12.5	127	4	4	8.5	13.0	100	9	4	8.0	13.0	79	7	6	7.0	12.5	52	8	6	7.5	10.0	52	6	4	6.5	10.0	41	2	2	4.5	7.0	24	0	2	*0	*0
04	156	3	3	7.5	12.0	127	4	4	8.5	13.0	100	8	6	8.5	14.0	79	8	6	7.5	12.0	52	8	6	6.5	11.0	52	4	4	6.5	9.0	39	4	2	5.0	7.5	24	0	2	*5.0	*8.0
05	156	3	4	8.0	13.5	127	4	3	8.5	13.5	100	6	8	8.0	14.0	77	8	6	7.5	14.0	50	9	5	6.5	11.0	52	4	4	6.0	9.5	39	4	2	5.0	7.5	24	0	2	*5.0	*8.5
06	156	2	2	7.5	12.0	125	6	2	7.0	12.0	100	4	10	9.5	17.0	61	11	6	9.5	16.0	48	6	8	7.0	11.0	50	3	2	6.0	9.0	37	5	2	5.0	7.0	24	2	2	*2.5	*4.0
07	154	2	2	7.5	13.0	115	8	7	9.5	12.5	70	16	4	6.5	10.5	57	2	10	*4.0	*7.0	36	14	8	7.0	11.0	42	6	4	5.0	8.0	35	2	2	4.0	6.0	24	2	3	2.5	4.0
08	152	2	4	7.5	13.5	109	6	6	9.5	16.5	68	20	7	6.0	10.5	55	4	12	*3.0	*5.0	28	10	8	7.5	10.0	32	5	4	3.5	5.0	29	5	3	5.0	6.0	22	3	2	3.0	4.5
09	152	1	6	10.5	16.5	105	9	6	10.5	17.0	68	22	7	6.5	8.5	55	4	12	*3.0	*6.0	24	6	5	5.0	6.5	32	3	8	4.5	5.5	25	5	4	4.0	5.0	20	2	2	3.0	4.5
10	150	4	2	11.0	17.0	109	8	11	14.0	21.0	68	23	6	10.0	12.5	55	2	8	4.0	6.5	22	5	4	3.5	3.5	30	5	10	3.0	4.5	23	6	6	4.0	5.0	20	6	4	*3.0	*4.0
11	150	4	2	12.0	17.0	109	12	8	*13.5	*18.0	68	26	8	*11.0	*19.0	53	4	6	*3.0	*5.0	22	2	4	*3.0	*4.0	30	4	7	*3.0	*4.0	21	6	4	3.5	5.0	21	12	7	5.5	7.0
12	150	4	2	13.0	19.5	109	10	8	13.0	22.0	68	20	8	10.0	13.0	53	2	10	*4.0	*6.0	22	6	4	4.0	6.0	32	2	9	*5.5	*8.5	23	8	6	5.5	6.5	18	4	2	*3.0	*5.0
13	150	4	2	12.5	20.0	109	9	5	12.0	19.0	68	28	5	8.5	13.5	53	6	10	*3.0	*6.0	22	2	4	*3.5	4.5	31	3	10	3.0	4.5	23	8	7	4.5	7.0	20	7	4	4.0	5.0
14	152	2	2	11.0	17.0	113	11	10	11.5	17.5	70	34	6	9.0	11.5	57	7	14	*2.5	*4.5	23	5	5	*3.5	*4.0	32	4	9	*6.0	6.5	26	6	9	5.0	7.0	22	8	4	*3.5	*5.0
15	152	7	2	9.5	17.0	111	8	4	11.0	16.0	72	39	8	*10.0	*13.0	57	2	14	*14.0	*22.0	25	11	7	*3.0	*4.0	32	10	10	*9.0	*12.0	29	12	6	*6.0	*8.0	24	3	2	*4.0	*6.0
16	152	6	0	10.0	16.0	111	17	6	11.0	16.0	72	35	9	10.0	15.0	55	9	7	5.5	7.0	26	18	5	4.5	6.0	30	16	8	5.0	7.0	35	9	2	5.0	7.0	26	6	2	*3.5	*6.0
17	154	2	2	9.0	14.5	111	13	6	12.5	19.0	82	27	7	13.5	20.0	67	5	8	6.0	10.5	34	22	8	7.0	9.5	39	14	6	*5.0	*8.5	39	7	4	5.5	8.0	26	4	2	3.5	5.5
18	154	2	3	8.0	14.0	117	10	5	13.0	21.0	88	18	5	12.5	21.0	72	14	6	7.0	11.5	46	18	12	7.5	14.0	44	14	6	6.0	9.0	39	6	2	5.5	9.0	26	2	2	3.5	5.0
19	154	5	2	9.0	14.5	123	3	4	11.5	19.0	94	12	7	11.5	20.5	75	14	6	7.5	13.0	50	18	8	7.0	12.0	56	8	10	8.0	13.0	41	4	2	6.0	8.5	26	4	2	3.0	4.0
20	156	2	4	8.0	13.0	125	4	5	11.0	18.5	98	9	6	9.5	17.0	79	10	3	6.5	11.5	52	14	6	6.5	11.0	56	10	6	6.5	10.5	41	4	2	4.0	7.0	26	3	2	3.5	5.0
21	156	3	2	7.5	12.5	125	4	2	9.5	16.5	98	7	5	10.0	16.5	83	5	8	7.5	12.0	52	12	3	5.5	10.0	58	7	4	7.0	11.5	41	4	2	4.0	6.5	24	4	0	*3.0	*4.0
22	156	4	2	7.0	12.0	127	4	4	9.0	15.0	100	6	5	8.0	14.0	79	10	8	7.5	14.0	54	8	6	6.0	10.0	58	6	4	6.0	10.0	41	2	2	4.5	7.5	24	3	0	*4.5	*7.0
23	156	4	2	7.5	12.0	127	5	5	8.5	14.5	100	8	7	8.5	16.0	81	9	7	8.5	15.5	54	10	6	6.5	10.0	52	10	4	6.0	10.0	41	4	2	5.0	7.0	24	5	2	*5.0	*7.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month March 19 59

Hour (LST)	Frequency (Mc) .051										.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	114	4	2								74	8	7			72	14	9			46	6	6			*47					*41					23	2	0		
01	114	2	2								74	7	8			63	8	5			44	7	10			47	8	4			*40					23	2	0		
02	114	1	4								70	7	4			62	5	6			42	13	10			*46					*36					23	2	0		
03	114	1	6								70	10	6			63	3	6			44	4	10			48	3	13			*34					*23				
04	*112										67	7	3			*68					46					*45					*34					*23				
05	112	2	5								67	8	3			*63					40					*45					*38					*23				
06	106	6	8								70	6	8			*64					40					41	8	15			*40					23	2	0		
07	*102										*69					*61					38					*31					*37					*25				
08	*95										*62					*60					38	6	10			*24					*36					*27				
09	94	4	4													*60					42	2	16			*21					*32					*27				
10	*94															*58					42					*21					*32					*27				
11	*97															*60					42					*17					*32					*33				
12	*98															*63					44	10	7			17	8	2			*30					*28				
13	*100															56	5	6			49	3	5			21	6	6			*29					29	4	4		
14	100	6	4													54	7	2			52	13	4			*19					*34					*31				
15	*100															63	4	9			54	13	4			23	10	6			*36					*31				
16	100	10	4													*65					54	13	6			26	9	5			38	4	6			*31				
17	103	10	6													*78					56	4	16			38	5	12			*44					*31				
18	106	8	4													77	11	10			55					45	10	5			*46					*27				
19	110	6	3													80	6	12			48	11	5			49	8	6			*44					*25				
20	113	3	5													*82					48	7	5			49	6	6			*48					25	6	2		
21	114	3	5													86	5	12			46	4	6			49	6	6			*48					*23				
22	114	3	4													88	6	5			48					47	7	6			*45					23	4	0		
23	114	2	2								72	4	6			*79					48	5	8			47	6	7			*43					23	2	0		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month April 19 59

Frequency (Mc)

Hour (LST)	.051										.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	114	7	4	*6.5	*10.0						73	10	6	*4.0	*8.0	71	7	8	5.5	10.0	53	8	6	6.0	9.0	37	6	4	*5.0	*7.5	42			5.0	8.5	25			4.0	5.5
01	114	6	4	6.5	10.5						73	7	8	5.5	9.5	59	8	4	4.5	7.0	53	6	6	7.0	10.0	49	6	4	*4.5	*8.5	40			4.0	5.0	25			4.5	6.5
02	113	6	4	*6.5	*10.5						71	8	7	*6.0	*9.5	59	6	5	6.0	9.5	49	5	5	6.0	10.0	51	4	6	4.5	8.5	42			4.0	6.5	25			4.0	6.0
03	113	4	5	*8.0	*13.0						69	7	7	*6.5	*11.0	56	7	5	7.0	9.0	50	7	7	*6.0	*9.5	49	6	2	4.5	7.5	43			6.5	10.0	25			8.0	10.0
04	109	3	6	*6.5	*11.0						*61			*6.5	*8.5	53	8	4	5.5	8.5	45	4	6	5.5	8.5	47	5	5	4.5	7.5	42			5.0	8.0	25			4.0	6.0
05	*101			*8.5	*13.0						67	4	4	*5.0	*9.0	55	6	2	4.0	6.0	*35			*5.0	*9.0	42	10	6	*4.0	*7.0	40			4.5	7.5	27			5.0	6.5
06	*96	4	5	*10.0	*14.0						67	10	4	*9.5	*18.0	*55			5.0	9.0	46	7	16			35	8	6	*4.5	*8.0	40			4.0	6.0	25			0.5	1.0
07	*96			*12.0	*15.5						*71			*8.0	*13.0	55	6	4	11.0	16.0	50	8	19	*3.5	*10.0	29	10	4	*5.5	*8.0	36					26			4.0	6.0
08	*96			*9.5	*16.5											*53			6.0	9.0	47	4	18	2.0	4.0	*27			*6.0	*8.5	32			3.5	6.0	25				
09	*96			*9.0	*13.0						*71					*53			7.0	12.0	*49			*3.0	*6.0	*24			*6.0	*9.0	33					25			3.5	6.0
10	*100			*13.0	*17.0						*69			*7.0	*12.0	*54			10.0	15.0	*45			*2.5	*4.0	*25			*8.5	*11.5	28					27			7.0	9.5
11	*103			*10.5	*16.0						*71					*55			5.0	9.0	*47			*3.5	*4.0	*24			*18.0	*23.0	30					27				
12	*107			*11.5	*15.5											*57			14.0	19.0	*52			*2.0	*5.0	*26			*10.0	*13.0	30			0.5	0.5	28			3.0	5.5
13	*109			*9.5	*15.5											53	2	4	6.0	10.0	*54			*3.5	*7.0	*26			*8.0	*13.0	34			6.0	9.5	29			6.5	9.0
14	108	15	9	*10.5	*16.0						*73					53	8	3	5.5	8.5	61	5	19	*2.0	*5.0	*29			*7.0	*12.5	39			8.5	12.0	29			3.0	6.0
15	108	12	7	*11.5	*15.5						*65					55	8	4	5.0	8.0	65	3	14	3.0	5.5	29	18	8	*8.0	*12.0	40			7.0	13.0	28			3.0	6.0
16	*104			*7.0	*10.0						*75					56	1	3	3.5	8.0	57	12	6	*2.0	*4.5	35	15	8	8.0	14.0	43			5.5	10.0	29			3.5	6.0
17	102	16	5	*6.5	*10.5											*61			11.0	15.0	63	6	10	*2.5	*5.0	37	12	5	*7.5	*11.0	44			6.0	9.5	30			4.0	6.0
18	102	12	4	*7.0	*11.0						*76					*66					66	5	7	*2.5	*5.0	47	6	5	5.0	9.0	46			3.0	6.0	28			4.0	8.0
19	108	9	4	7.0	10.0											*72			2.5	5.5	52	11	11	*4.0	*7.0	51	6	5	*5.0	*8.0	46			5.0	8.0	29			3.5	6.5
20	113	7	4	*6.0	*9.5											*75					51	12	6	3.0	6.0	53	7	6	5.0	8.5	48			7.0	11.0	28			4.0	6.0
21	116	7	6	*7.0	*10.5											*75			4.0	7.5	55	6	6	3.5	5.0	53	6	6	6.5	10.0	50			7.0	12.0	26			4.0	7.0
22	114	9	5	*4.5	*8.0											*85			4.5	8.5	53	11	9	5.0	7.5	53	6	9	5.0	9.0	48			6.5	11.0	25			2.0	4.0
23	115	7	6	6.0	10.5						71	6	4	*6.0	*9.0	73	8	6	4.0	7.5	53	4	6	5.5	8.0	53	2	6	*4.5	*9.0	46			7.5	12.0	25			3.0	5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db.
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month May 19 59

Frequency (Mc)

Hour (LST)	.051										.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	119	6	2	8.0	12.5						83	8	7	*10.0	*16.0	72	6	8	*7.0	*9.5	54	10	4	5.0	8.5	52	6	2	5.5	8.5	43	6	5	4.0	6.5	25	3	2	2.5	4.5
01	119	6	2	10.5	15.5						79	8	8	9.5	15.0	64	8	6	4.0	6.0	58	8	6	5.5	8.0	54	4	4	5.5	8.5	43	8	4	4.5	6.5	25	4	1	3.0	4.5
02	115	4	4	7.5	12.0						75	8	5	6.5	10.0	58	6	7	*5.0	*7.0	50	4	4	5.0	8.0	52	4	6	5.5	9.0	43	4	7	4.5	7.0	25	3	2	3.0	4.5
03	113	4	4	*9.0	*13.0						*61			*5.5	*8.5	50	3	5	*3.0	*4.5	46	6	9	4.5	7.5	48	4	6	5.0	8.5	41	5	5	4.0	6.5	25	4	2	3.0	4.5
04	107	5	6	9.0	13.5						*61			*6.5	*8.5	50	3	3	*3.5	*5.5	38	4	6	*2.5	*4.0	42	4	6	*5.5	*9.0	41	6	6	4.0	6.5	25	4	0	3.5	5.0
05	103	9	7	12.0	16.5						65	8	4	*2.0	*3.5	52	5	2	*6.5	*9.5	32	4	8	3.0	5.5	34	4	6	6.5	10.0	37	8	4	5.0	7.5	25	3	1	4.0	5.5
06	101	11	7	*13.5	*17.5						69	2	4	*8.5	13.5	54	5	6	*4.5	*7.0	30	8	6	3.5	4.5	30	6	6	*7.0	*9.5	37	10	4	*4.5	*7.0	25	2	2	3.5	4.5
07	99	11	7	*13.0	*18.0						*65					54	4	4	*6.0	*8.5	30	6	4	2.5	4.5	26	6	2	8.0	10.0	33	11	6	4.0	6.5	25	4	2	3.0	5.0
08	105	5	14	12.5	17.5											*54			*5.0	*7.5	28	6	2	3.0	4.5	26	8	2	8.0	11.0	31	8	5	*4.0	*6.0	*27			*3.5	*5.5
09	109	4	14	*11.0	*16.0						*67					*54			*4.5	*7.5	27	3	3	3.5	5.0	24	6	2	*8.5	*10.0	*29			*3.0	*5.0	*25			*4.0	*6.5
10	*111			*10.5	*16.0						*69			*8.0	*12.5	*55			*6.0	*8.0	27	5	1	*3.5	*6.0	*24			*9.5	*13.0	29	2	2	*5.0	*7.5	27	2	2	4.0	6.5
11	*115			*10.0	*14.0						*73					*56			*10.5	*15.0	28	6	4	3.0	4.5	*24			*7.5	*9.5	33	8	6	*5.0	*8.0	27	6	2	*4.5	*6.0
12	117	10	4	*9.0	*15.0									*8.0	*15.0	54	13	4	*4.5	*6.5	*32			*3.5	*5.5	24	10	4	8.0	10.0	31	8	6	5.0	8.0	27	7	3	4.0	6.0
13	120	11	6	*9.5	*15.0											55	12	5	*4.5	*6.5	28	15	4	3.0	5.0	24	12	2	6.5	9.0	35	6	4	5.5	7.5	27	6	2	*3.5	*5.5
14	122	9	9	10.0	15.5											54	18	4	*5.5	*7.5	32	16	6	3.0	5.0	26	16	4	8.0	10.5	35	8	4	6.0	8.5	29	2	2	4.0	6.0
15	123	9	10	9.0	14.5						*69					57	13	5	*4.5	*8.5	32	16	4	2.0	4.5	28	16	2	7.5	10.0	37	8	4	4.5	8.0	29	9	4	3.5	5.5
16	119	8	7	10.5	14.5											56	11	4	*7.5	*10.5	40	12	4	*6.5	*8.5	30	9	6	*6.5	*9.0	41	7	5	5.5	8.5	29	4	4	3.5	5.5
17	119	8	8	9.0	15.0											56	14	6	*4.0	*7.0	44	16	8	3.0	4.5	34	10	2	5.5	9.0	43	7	5	5.0	8.0	31	3	4	4.0	6.5
18	117	10	10	10.5	15.5											57	9	3	*4.0	*5.5	48	6	4	*3.5	*5.0	42	8	6	4.5	8.5	45	6	3	4.5	7.0	31	8	2	*4.5	*6.5
19	115	10	8	9.5	14.5											62	8	6	*7.0	*11.5	48	9	4	3.0	5.0	50	4	8	3.0	6.0	47	4	3	4.5	7.0	31	4	4	3.5	6.0
20	115	8	4	8.0	12.0											74	7	9	*4.5	*9.5	52	4	10	2.5	4.5	54	4	6	4.0	6.5	49	2	5	5.0	8.0	27	9	2	3.5	5.0
21	117	7	2	8.0	12.0											74	7	4	*4.0	*8.5	54	6	6	3.0	5.5	54	5	6	4.5	8.0	49	4	6	5.0	8.5	27	5	3	3.5	5.0
22	121	6	4	9.5	14.0											*80			*3.0	*5.0	56	6	7	5.0	8.5	54	6	2	5.5	9.0	47	6	6	5.0	7.0	27	4	2	3.0	5.0
23	120	5	3	9.5	13.5						79	8	8	*5.5	*7.0	76	4	4	*4.5	*8.5	54	8	4	5.5	8.5	54	4	2	5.5	9.0	46	7	5	4.5	7.0	25	4	0	3.0	4.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month March 19 59

Hour (LST)	Frequency (Mc) .135					.500					2.5					5					10					20																			
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	103	13	8			80	13	8			62	13	9			58	7	7			45	10	3			24	1	2																	
01	103	14	8			81	13	9			62	12	8			57	9	5			45	8	4			24	2	2																	
02	102	13	8			79	15	7			59	14	5			57	9	6			44	8	3			24	2	2																	
03	103	11	8			78	14	8			59	15	5			55	11	5			44	6	4			24	2	2																	
04	102	9	7			74	11	8			59	13	5			54	11	5			42	7	3			26	1	2																	
05	99	10	5			71	10	8			58	13	4			54	10	5			41	6	2			26	1	2																	
06	93	12	4			58	10	2			49	7	4			50	7	2			43	7	4			26	1	2																	
07	91	7	3			56	6	1			40	6	5			41	6	4			41	7	4			27	2	2																	
08	90	10	3			55	4	2			33	5	4			36	3	9			37	4	5			28	3	2																	
09	91	9	4			56	3	3			31	5	4			31	5	6			35	2	6			27	4	2																	
10	91	11	4			55	4	1			30	5	2			27	8	2			33	2	4			28	3	3																	
11	91	12	4			56	5	2			31	5	4			27	8	3			32	5	6			27	4	2																	
12	90	13	4			56	6	2			32	4	4			27	7	3			31	5	4			27	4	2																	
13	90	13	4			56	6	2			31	5	3			27	6	3			31	4	4			27	3	2																	
14	90	13	4			57	4	4			31	6	4			28	5	4			32	6	4			28	3	3																	
15	91	12	6			57	4	3			31	6	3			30	5	5			35	6	3			29	3	3																	
16	91	12	5			58	3	2			32	5	4			35	5	5			41	6	2			30	3	3																	
17	91	11	5			58	3	2			36	5	5			44	5	3			46	6	5			31	3	3																	
18	92	12	4			60	10	3			47	7	6			53	6	5			48	7	4			31	6	3																	
19	97	12	6			65	16	4			54	12	5			57	8	6			51	6	5			30	5	3																	
20	103	11	9			73	15	7			59	11	8			58	7	5			50	7	4			28	2	3																	
21	103	12	9			75	14	7			60	11	8			57	9	4			48	9	3			26	2	2																	
22	104	10	10			77	16	5			62	10	7			59	7	8			47	11	3			24	2	1																	
23	103	13	8			81	10	8			62	11	8			58	9	5			47	9	5			24	1	2																	

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month April 19 59

Hour (LST)	Frequency (Mc) .135					.500					2.5					5					10					20																	
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	106	8	9			80	7	8			68	7	13			59	6	6			46	9	6			24	1	2															
01	105	10	7			79	9	6			66	9	9			59	7	5			46	7	6			24	2	2															
02	105	10	7			80	11	7			67	8	11			59	7	5			44	9	5			24	1	2															
03	107	8	9			79	11	6			67	9	10			59	8	7			44	8	5			23	2	1															
04	109	8	10			77	10	8			65	9	11			58	7	5			42	8	4			23	2	1															
05	101	12	6			66	13	8			58	7	11			56	7	4			42	8	5			23	2	1															
06	95	16	6			57	10	4			39	12	6			46	5	8			41	7	6			24	2	2															
07	93	18	4			57	7	4			33	9	3			37	8	3			37	8	4			25	2	2															
08	91	15	5			56	7	4			30	3	4			34	5	6			32	6	4			26	5	3															
09	91	13	5			56	6	2			30	2	4			29	6	3			30	4	4			26	4	3															
10	90	10	4			57	8	2			29	3	3			27	5	2			28	2	3			25	5	3															
11	90	12	5			57	7	2			29	3	3			27	2	2			28	2	4			25	4	3															
12	94	10	5			56	6	3			29	3	3			26	3	2			28	4	3			25	5	2															
13	95	8	6			57	4	3			30	4	4			26	3	2			29	6	3			26	6	3															
14	96	12	7			58	9	4			30	8	4			27	6	2			30	8	2			27	6	3															
15	97	14	8			58	7	4			30	6	6			29	2	3			34	7	5			28	6	3															
16	97	13	10			60	7	3			30	6	3			35	9	6			38	7	4			28	7	3															
17	97	13	8			60	7	3			31	14	3			41	11	5			42	9	3			29	6	2															
18	97	16	8			60	10	3			43	11	8			50	9	5			46	8	4			30	6	5															
19	102	9	9			65	12	4			57	11	11			58	7	7			47	7	4			30	6	5															
20	106	7	11			71	10	4			63	8	12			61	6	9			48	10	4			27	4	4															
21	107	8	10			77	9	7			66	7	13			61	5	7			48	9	4			25	4	2															
22	108	8	10			79	6	7			65	8	11			60	7	5			47	9	3			24	3	2															
23	107	8	9			79	8	7			65	10	10			59	7	5			46	9	4			24	3	3															

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month May 19 59

Hour (LST)	Frequency (Mc) .135					.500					2.5					5					10					20																	
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	116	4	7			85	8	7			70	7	6			64	6	5			48	4	5			24	1	1															
01	116	5	7			85	8	8			72	5	7			65	4	6			47	5	5			24	1	1															
02	115	6	7			86	9	9			71	6	7			64	5	5			46	5	5			23	2	0															
03	114	6	7			85	7	8			70	7	6			64	5	5			45	5	5			23	2	0															
04	117	5	9			81	9	7			70	5	9			65	4	6			44	5	5			23	1	0															
05	117	6	10			60	9	5			49	7	6			60	5	8			44	3	5			23	1	0															
06	104	10	10			59	12	5			40	8	6			47	8	6			41	5	4			23	2	0															
07	103	10	10			60	9	5			32	6	6			39	9	4			39	4	6			23	3	1															
08	103	12	8			61	9	4			28	6	3			31	6	3			36	3	6			23	2	1															
09	102	12	7			62	10	4			28	4	3			29	4	3			32	5	3			23	1	2															
10	102	8	6			62	8	4			28	3	3			28	3	2			31	4	2			22	1	1															
11	102	12	4			65	10	5			30	6	5			27	9	1			30	5	3			22	1	1															
12	110	13	12			73	24	7			31	23	5			28	17	2			31	9	4			24	2	2															
13	111	20	11			74	35	6			33	37	7			30	26	4			34	11	5			25	4	3															
14	114	>20	12			77	>34	11			34	44	8			33	30	6			38	11	8			24	8	2															
15	117	>17	15			76	>35	9			34	38	7			35	25	8			41	8	10			26	7	2															
16	112	17	15			75	30	13			40	30	11			43	16	13			43	6	8			26	4	2															
17	112	12	16			74	25	12			43	22	12			49	9	12			46	4	6			27	4	3															
18	111	12	15			71	25	11			49	14	13			55	6	11			48	5	4			28	4	3															
19	111	9	14			70	23	9			58	11	9			61	5	5			51	4	4			28	3	4															
20	114	6	11			77	14	8			68	17	8			65	5	7			51	5	4			27	3	2															
21	117	5	11			83	8	9			72	4	8			66	5	6			51	5	4			25	3	2															
22	116	7	8			85	6	7			71	5	6			66	4	5			50	5	5			24	3	1															
23	116	6	7			86	5	8			72	6	7			65	4	4			50	3	5			24	3	1															

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month March 19 59

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	138	8	8			127	4	10			109	7	11			93	4	8			*69					*59					*45					*33				
01	138	8	8			127	2	12			109	5	9			95	2	6			*67					*60					*44					*32				
02	136	10	4			125	8	6			107	7	8			93	4	8			*69					*60					*45					*33				
03	138	6	10			127	4	15			106	9	10			93	6	10			*70					*60					*45					*31				
04	136	8	8			125	4	11			106	8	10			94	5	15			*69					*60					*42					*31				
05	135	9	7			121	11	6			96	18	3			81	18	10			*65					*58					*39					*31				
06	132	10	8			117	8	12			*99					*77					*53					*50					*41					*31				
07	132	8	12			118	7	18			*98					*71					*40					*41					*35					*32				
08	130	8	11			*116					*92					*69					*37					*30					*39					*32				
09	*134					*113					*96					*73					*37					*42					*33					*29				
10	*130					*111					*96					*72					*45					*33					*29					*28				
11	128	14	4			115	10	14			*98					73	16	18			*39					*34					*29					*29				
12	131	8	12			119	8	18			104	5	26			82	12	22			*45					*40					*32					*32				
13	135	5	8			125	3	18			106	9	18			91	9	24			*48					*42					*35					*33				
14	141	5	11			125	9	10			113	11	24			97	12	35			*63					*49					*42					*37				
15	146	4	11			134	7	15			120	8	20			106	7	23			*67					*56					*41					*40				
16	148	8	13			136	7	15			120	10	20			105	13	28			*75					58	10	13			47	9	4			37	10	2		
17	146	11	12			135	13	17			120	12	22			108	11	26			69	18	18			59	16	7			51	11	6			39	14	6		
18	147	9	12			134	12	12			118	15	17			101	17	13			69	20	4			62	16	4			48	17	5			32	22	3		
19	146	9	11			133	8	8			116	11	12			97	13	10			71	15	6			61	11	5			45	12	4			*32				
20	144	7	8			129	10	8			112	10	11			94	16	8			69	8	4			60	6	4			47	4	6			31	8	2		
21	143	7	11			129	10	7			112	9	10			92	12	8			*72					60	6	6			47	4	6			*31				
22	139	8	9			128	10	11			111	10	10			93	11	6			69	12	8			60	6	8			*47					*33				
23	140	5	10			127	6	10			110	5	10			93	4	9			*67					*59					*46					*32				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4N Long. 3.9E Month April 19 59

Hour (LST)	Frequency (Mc) .051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	139	8	6			127	6	8			110	11	6			94	8	8			59					63					44					30				
01	138	8	8			125	7	6			109	11	5			93	9	9			61					62					46					30				
02	137	10	8			125	9	7			111	12	10			92	10	8			59					60					46					30				
03	137	10	7			123	10	6			109	12	10			94	9	8			59					61					46					30				
04	139	8	11			121	11	8			107	14	6			92	9	10			62					60					46					28				
05	136	7	12			117	14	14			97	18	13			74	21	14			59					58					44					32				
06	132	12	11			115	16	18			94	22	19			*67					39					52					44					33				
07	*131					115	14	17			*92					*72					30					46					38					32				
08	*132					109	20	10			*93					*72					27					42					32					30				
09	132	9	8			115	14	12			92	19	13			*68					31					42					34					28				
10	129	9	14			111	14	13			87	20	14			*66					29					34					31					27				
11	130	10	6			111	14	10			91	16	14			*70					37					38					34					27				
12	132	8	6			115	13	10			*93					*70					33					34					35					28				
13	134	9	9			114	18	8			93	27	12			75	22	13			39					42					36					34				
14	138	12	10			119	18	9			101	23	8			86	26	12			51					44					40					34				
15	140	10	6			123	16	5			111	18	10			96	21	14			49					48					44					38				
16	142	10	4			125	7	5			117	8	12			98	10	12			53					55					45					36				
17	144	7	4			130	7	3			115	14	10			97	15	9			52					59					48					36				
18	144	10	6			130	10	6			115	12	8			100	12	10			63					62					46					29				
19	*146					129	11	7			*113					*102					65					62					43					28				
20	*144					129	15	7			*113					*96					62					61					44					28				
21	142	12	8			127	16	5			111	22	10			91	24	7			63					62					44					31				
22	140	9	6			126	9	7			109	17	6			92	13	8			62					62					45					30				
23	138	10	4			127	6	8			109	14	6			92	10	8			60					62					46					32				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

Only one calibration taken prior to the 24th.

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Month May 19 59

Hour (LST)	Frequency (Mc) .051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	139	8	4			*126	8	6			115	8	8			92	8	10			70	6	6			60	4	10			41	5	7			29	6	2		
01	137	10	6			127	7	11			115	8	12			93	9	15			70	4	8			60	4	9			40	6	8			29	4	2		
02	137	8	6			126	8	12			113	8	10			94	8	14			69	5	7			60	4	11			41	7	7			29	4	2		
03	139	6	8			126	8	10			113	8	10			94	6	10			68	6	8			60	4	11			43	3	7			29	2	2		
04	137	8	6			124	8	12			111	8	10			92	6	12			67	5	7			60	4	13			40	4	8			29	4	2		
05	137	6	12			122	10	20			105	8	15			86	6	26			64	6	10			56	4	11			42	4	8			31	2	4		
06	135	6	13			117	9	19			105	6	20			82	13	21			52	8	7			51	1	8			40	4	6			33	4	6		
07	131	12	14			120	9	21			103	10	23			85	13	25			48	17	14			46	8	6			38	4	14			31	5	5		
08	132	10	16			114	4	20			104	9	25			78	13	19			40	7	7			36	27	8			34	6	12			29	6	4		
09	131	10	16			116	14	18			*103					*82					39	13	9			*34					33	7	10			27	9	2		
10	131	12	16			118	16	24			99	19	24			80	22	22			*38					36	20	10			32	5	7			28	10	5		
11	131	10	14			114	14	14			99	10	18			*77					36	38	4			*31					33	5	4			30	6	3		
12	133	14	9			118	17	12			103	17	19			86	11	20			*46					35	26	5			34	5	2			31	7	5		
13	137	8	10			126	10	14			112	11	27			94	9	24			52	11	17			37	17	10			36	10	6			35	7	6		
14	141	4	11			128	8	16			115	8	16			98	10	20			59	10	21			44	14	13			42	3	8			36	5	3		
15	141	8	8			128	14	14			115	14	13			94	18	14			56	14	16			50	11	10			44	6	4			37	8	2		
16	141	10	6			130	12	10			117	16	16			94	22	16			54	22	10			53	15	6			46	8	2			37	12	4		
17	139	18	4			126	19	6			115	17	12			92	30	12			61	20	5			60	6	7			48	8	4			35	13	2		
18	141	13	6			128	15	6			109	23	6			96	18	8			71	14	5			62	10	4			46	6	2			31	12	4		
19	140	13	3			128	14	6			109	18	4			96	12	10			73	7	5			62	10	5			45	3	3			29	16	2		
20	141	8	2			126	12	4			111	14	6			94	12	10			73	3	5			62	2	4			44	2	4			29	10	2		
21	141	8	4			128	10	6			113	12	8			94	12	8			72	6	4			62	4	2			44	4	4			29	6	4		
22	141	8	4			126	10	2			115	8	12			94	10	10			70	6	4			62	2	4			42	2	6			29	10	2		
23	141	6	6			126	8	4			115	8	10			94	10	12			71	7	5			60	4	9			42	2	6			30	10	3		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha(Kauai),T. H. Lat. 22.0 N Long. 159.7 W Month March 19 59

Hour (LST)	Frequency (Mc) .013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	154	0	2	9.5	15.5	126	3	3	10.0	16.0	100	7	9	11.0	17.0	76	12	7	*6.0	*9.5	51	7	4	6.5	12.0	62	4	6	*5.0	*9.0	44	2	2	4.5	8.0	25	3	1	3.0	5.0
01	152	2	0	9.0	16.0	127	4	2	10.5	16.5	100	8	6	10.0	16.0	78	7	8	*12.0	*17.5	51	10	4	*8.0	*14.0	65	6	6	*6.5	*12.0	42	2	2	5.0	8.5	24	4	0	2.0	4.0
02	152	4	0	10.0	16.5	129	2	4	9.5	16.0	101	6	4	11.0	17.5	79	9	6	*7.5	*12.0	51	10	6	8.0	13.0	67	6	6	*5.5	*10.5	42	2	2	5.0	8.5	24	2	0	2.0	3.0
03	154	0	2	10.0	17.0	129	2	2	10.0	16.5	102	5	4	12.5	19.0	77	12	6	*9.5	*15.0	51	8	4	10.5	14.0	65	6	4	*6.5	*11.5	40	4	2	4.0	7.0	24	2	0	1.5	3.0
04	154	2	2	11.0	17.5	129	2	2	10.0	17.5	102	6	7	10.0	17.0	77	11	5	*10.0	*15.0	51	10	4	6.5	11.0	53	16	6	*4.5	*8.5	40	3	4	4.0	7.0	24	2	1	1.0	3.0
05	154	2	2	10.5	17.0	129	2	2	10.0	17.0	100	8	7	12.0	19.0	73	15	7	9.0	13.0	51	8	2	8.5	12.5	51	4	4	6.5	10.5	38	4	2	4.0	6.5	24	2	1	2.0	3.5
06	154	2	2	10.5	17.0	127	2	3	10.5	17.0	92	8	6	11.0	18.0	65	7	5	7.0	10.0	51	8	6	7.0	11.0	49	6	2	*5.5	*8.5	38	4	2	4.5	7.5	24	2	1	1.5	3.0
07	154	2	2	11.0	18.0	119	2	3	10.0	16.5	77	7	8	11.0	15.0	59	7	6	2.5	4.5	43	6	2	5.0	7.5	45	4	8	*6.5	*9.5	40	6	4	4.0	7.5	24	4	2	3.0	4.5
08	152	0	4	11.0	18.5	109	6	5	13.0	19.0	74	14	13	10.0	13.5	55	4	4	3.0	4.5	37	4	2	2.5	4.5	35	10	8	*6.0	*8.5	34	4	6	*5.5	*8.0	22	2	2	2.0	4.0
09	150	2	4	11.5	18.5	105	12	10	12.5	19.0	72	15	13	*10.0	*15.0	55	4	2	3.0	5.5	35	4	2	3.0	5.0	23	2	4	*2.5	*4.0	24	8	6	4.5	7.5	20	6	2	3.0	6.5
10	150	2	4	13.0	19.0	107	7	15	14.5	20.0	72	14	13	*11.0	*16.5	53	4	2	3.0	5.5	35	4	4	3.0	5.5	25	8	4	*3.5	*6.0	20	8	6	*5.0	*7.0	18	2	2	*2.5	*5.0
11	148	2	2	12.0	18.0	107	9	11	15.0	21.0	67	17	7	*6.0	*7.5	53	6	2	4.0	6.5	35	6	6	2.5	4.5	23	10	4	3.0	5.0	16	10	6	*3.5	*5.0	16	4	2	3.0	4.5
12	146	4	0	13.0	19.5	107	6	8	*16.0	*22.0	70	10	10	*9.0	*12.0	55	4	6	5.0	9.0	33	4	4	1.5	3.5	23	6	4	*3.0	*5.5	18	6	6	*3.0	*5.0	16	4	2	3.0	5.0
13	146	4	2	13.0	20.5	107	8	8	17.0	23.5	64	12	8	*10.0	*14.0	53	4	4	*2.0	*6.0	32	4	2	2.0	*4.0	23	4	4	*3.5	*6.0	18	8	6	*2.5	*5.5	16	2	2	*3.0	*5.0
14	146	2	2	14.0	21.0	107	8	8	*14.5	*21.0	66	18	8	*9.5	*15.0	51	5	2	3.0	5.5	33	6	4	*2.0	*4.0	23	4	4	*3.0	*5.5	18	8	4	*5.0	*7.0	20	2	4	3.0	5.0
15	146	2	3	14.5	22.0	105	8	8	*14.5	*20.5	64	12	5	*9.0	*12.0	53	4	4	*3.5	*7.5	33	2	4	2.5	4.0	25	8	6	*4.0	*6.0	18	8	2	*4.5	*7.0	22	4	2	2.0	5.0
16	146	2	3	14.0	21.5	103	6	6	16.0	21.0	66	14	8	*11.0	*14.5	53	5	2	3.5	6.0	33	2	6	3.0	4.5	25	10	4	*5.0	*7.5	26	7	4	*4.5	*7.0	24	3	2	3.0	5.0
17	146	3	4	12.0	20.5	99	10	4	13.0	17.5	68	13	8	12.5	15.0	55	6	4	4.0	6.0	34	3	5	2.0	4.0	31	10	4	*8.0	*11.0	36	4	4	5.0	9.0	24	2	2	3.0	5.5
18	146	4	2	12.0	19.0	101	9	7	9.5	14.0	79	9	13	*9.0	*14.5	61	9	4	3.5	5.5	35	6	3	2.0	4.0	41	8	4	*6.0	*9.5	38	6	2	*5.5	*9.5	25	3	3	3.0	5.5
19	147	1	3	11.0	18.0	109	9	10	10.5	16.5	86	11	11	*13.0	*17.5	69	7	6	*4.5	*7.0	43	7	4	3.5	6.0	47	6	4	5.0	8.5	40	5	4	5.5	10.0	24	4	2	3.0	5.5
20	148	4	2	10.0	16.5	113	9	10	14.0	20.5	90	11	10	*16.5	*21.0	72	12	6	*8.5	*13.5	47	7	6	*3.0	*5.5	49	7	4	4.5	8.0	40	5	2	6.0	10.0	26	2	2	3.0	5.0
21	150	4	2	9.0	15.0	117	8	8	*13.0	*19.0	94	7	9	16.0	23.5	75	6	7	9.0	13.5	49	7	6	*6.0	*10.0	55	4	4	*4.0	*8.0	42	4	2	*5.0	*10.0	26	2	2	3.0	5.0
22	152	2	2	9.0	15.0	121	6	5	10.5	17.0	97	9	10	14.0	21.0	75	8	6	*11.0	*15.0	49	7	5	*7.0	*10.0	57	6	6	*6.5	*11.0	42	4	2	5.0	8.0	26	2	2	2.5	5.0
23	152	4	2	8.0	14.5	125	2	4	10.5	17.0	97	8	7	*11.0	*17.0	75	9	6	*6.0	*9.0	51	5	6	5.5	9.0	57	6	4	*4.0	*7.0	44	2	4	3.5	6.5	26	3	2	2.5	4.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha (Kauai), T. H. Lat. 22.0 N Long. 159.7 W Month April 19 58

Hour (LST)	Frequency (Mc) .013					.051					.160					.545					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	152	3	2	8.5	13.5	125	4	4	12.0	19.0	98	4	4	13.0	18.0	75	8	6	*11.5	*19.0	49	4	4	7.5	11.0	59	7	4	*6.0	*10.5	43	2	2	5.5	8.5	26	2	2	3.0	5.0
01	154	2	3	8.0	13.0	127	4	4	10.5	17.0	100	6	4	*13.0	*19.0	77	8	8	*14.5	*21.5	49	3	4	8.0	12.0	61	8	5	7.0	11.5	43	2	3	4.5	7.5	24	2	0	3.0	4.5
02	154	2	2	9.0	14.0	127	4	4	9.5	15.0	100	8	6	11.0	17.5	75	14	6	*13.0	*20.5	50	7	5	7.0	10.0	66	3	9	*6.0	*12.5	41	4	2	5.0	8.0	24	2	0	1.5	3.5
03	154	2	3	9.0	15.0	127	4	2	11.0	17.0	102	6	6	*11.0	*17.5	75	10	4	*15.5	*24.0	50	5	5	7.0	10.0	67	5	7	*5.0	*12.0	41	2	4	5.0	8.0	24	4	2	1.5	3.0
04	154	2	3	10.0	16.0	129	4	4	11.5	18.0	102	6	6	*11.0	*17.5	73	12	4	*15.0	*24.5	49	7	4	5.5	9.0	52	18	4	6.5	10.5	39	4	2	5.0	7.5	24	0	2	2.0	3.5
05	154	2	2	10.0	16.0	129	2	4	*12.0	*18.5	100	6	8	12.5	20.0	75	8	8	*14.0	*24.5	50	7	7	6.0	9.0	49	4	2	*7.0	*10.5	39	4	2	5.0	8.0	24	0	0	1.5	3.5
06	154	2	2	11.0	17.5	123	2	2	*12.0	*18.0	86	8	6	*12.0	*19.0	57	6	4	*5.0	*7.5	49	4	4	5.5	8.0	49	3	3	*6.0	*9.0	40	4	3	4.5	7.5	24	2	2	2.5	4.5
07	152	2	2	11.0	17.0	115	4	6	12.5	19.0	72	10	8	*7.0	*11.0	51	8	2	*3.0	*5.0	39	7	4	2.5	4.5	39	2	4	*4.5	*8.0	35	4	2	5.0	9.0	24	2	2	2.0	4.5
08	150	2	2	*11.0	*16.5	101	6	4	*14.0	*19.5	70	24	8	*17.0	*22.0	51	4	2	3.5	5.5	35	5	4	3.0	5.0	31	5	4	*5.0	*8.0	29	2	5	6.0	8.5	22	2	2	2.5	5.0
09	150	2	2	11.0	17.0	105	10	6	11.5	17.5	70	26	8	*15.0	*22.5	53	4	4	*5.5	*8.0	33	4	2	*3.0	*5.0	21	4	2	2.0	4.0	25	2	8	*3.0	*5.5	20	2	2	3.0	5.0
10	148	5	2	*11.0	*17.0	105	10	6	*15.5	*20.0	70	16	8	*13.0	*19.0	51	4	2	*4.5	*7.0	33	3	3	3.0	5.5	27	2	4	3.5	6.0	23	4	6	6.0	8.5	16	6	2	2.5	5.0
11	150	2	2	12.0	17.5	107	4	8	*12.0	*18.5	70	10	10	*7.0	*9.5	51	4	1	*5.5	*7.0	33	2	4	*3.0	*5.0	23	2	4	*3.0	*5.0	19	4	6	*2.5	*4.5	16	2	2	*2.5	*4.5
12	148	4	4	10.5	16.5	105	8	6	*15.0	*22.0	66	11	5	*18.0	*23.5	51	4	4	*5.0	*7.5	35	2	4	*3.0	*5.0	23	4	2	*5.0	*6.5	19	6	2	*5.5	*7.0	16	4	2	2.0	3.5
13	146	6	0	11.5	17.5	107	6	10	11.5	16.5	66	10	6	*9.5	*13.0	51	4	4	*4.5	*6.5	33	4	2	*3.0	*5.0	23	3	2	*4.5	*6.0	19	4	6	*3.0	*5.0	18	2	6	3.0	5.0
14	146	4	2	*12.0	*18.0	105	6	6	12.0	18.0	66	10	4	*12.0	*18.0	51	4	6	*4.5	*7.0	33	4	2	*3.0	*5.0	23	4	2	*5.0	*7.5	21	2	4	*5.0	*7.0	20	4	2	*2.0	*4.0
15	146	4	2	12.5	19.5	105	4	8	14.0	18.5	68	13	7	*10.0	*12.0	51	4	2	5.0	8.0	33	4	2	1.5	3.5	25	4	3	6.0	8.0	23	4	6	*6.0	*9.0	22	2	2	2.0	4.5
16	146	4	4	13.5	20.0	103	6	8	*12.0	*16.5	66	17	4	*9.0	*12.0	51	4	4	3.5	5.0	33	2	4	3.0	5.0	27	8	4	*6.0	*8.5	27	6	4	*5.0	*7.5	24	2	2	2.0	4.0
17	146	4	5	13.0	20.0	99	6	8	*10.0	*14.0	66	9	4	*6.5	*9.0	52	3	3	*4.5	*6.5	33	4	4	3.0	5.0	33	6	6			35	2	4	4.5	8.5	24	2	2	2.5	4.5
18	146	2	4	13.0	20.0	99	5	5	9.5	14.5	72	9	4	*7.0	*10.0	56	7	5	*3.0	*4.5	35	3	4	3.0	5.0	39	4	4	*3.5	*6.5	39	2	2	5.0	8.5	26	0	4	3.0	5.0
19	146	3	4	11.0	18.5	109	5	6	11.0	15.0	84	8	7	11.0	15.0	65	11	6	*7.0	*10.0	41	2	4	4.0	6.5	47	2	7	*5.0	*8.0	41	2	4	5.5	8.5	24	4	0	3.0	5.5
20	147	4	3	11.0	17.0	115	4	4	11.5	17.5	90	6	6	*15.0	*20.0	69	8	5	*12.5	*18.0	45	8	5	5.5	10.5	49	3	3	*7.0	*10.0	41	2	2	5.5	9.0	26	2	2	3.5	5.0
21	150	2	4	9.0	15.5	119	2	8	10.5	18.0	92	4	6	*13.0	*18.5	75	4	10	*7.0	*11.0	47	8	3	*6.5	*10.0	51	2	3	5.5	8.0	43	0	4	5.5	9.0	26	2	2	3.0	5.0
22	152	2	3	10.0	16.0	119	5	3	13.0	20.0	93	6	5	*12.5	*20.0	74	8	7	*10.0	*15.0	49	4	5	*6.0	*8.0	55	5	4	*7.0	*10.5	43	0	2	5.5	9.0	24	2	0	3.0	5.0
23	152	3	2	8.0	13.0	123	6	4	11.5	18.0	96	6	4	12.0	17.0	73	9	4	*11.5	*16.0	49	3	4	*4.0	*7.0	55	4	4	*4.0	*6.0	43	2	2	5.0	8.5	26	2	2	3.0	5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha (Kauai), T.H. Lat. 22.0 N Long. 159.7 W Month May 19 59

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	154	2	2	8.0	12.5	125	4	5	10.0	17.5	98	9	8	9.5	17.5	75	8	8	*11.5	*19.0	49	6	4	5.0	7.5	57	8	2	*7.5	*12.5	43	2	2	4.5	7.0	26	2	2	2.0	4.0
01	154	4	0	8.0	14.0	127	3	6	11.0	18.0	98	6	6	13.0	20.0	77	8	12	11.0	18.0	49	8	4	7.5	11.5	61	6	4	*7.0	*11.5	41	2	2	4.0	7.5	24	4	2	2.5	4.0
02	156	2	2	9.0	15.0	127	3	4	9.0	15.0	98	8	7	12.0	20.0	75	8	6	*10.5	*15.0	49	6	4	7.0	10.0	63	7	4	*7.5	*11.5	41	2	2	4.0	7.0	24	2	2	2.0	3.5
03	156	0	4	9.0	15.0	127	4	6	11.0	17.0	98	6	6	13.0	21.0	75	8	6	10.0	15.0	49	8	5	*5.0	*9.0	63	8	4	*7.0	*12.0	39	4	2	5.0	8.0	24	2	2	1.5	3.0
04	154	2	2	9.5	15.5	129	2	6	10.5	16.5	98	7	7	13.5	21.5	75	8	8	*13.5	*20.5	50	7	4	6.5	11.5	53	15	5	6.5	10.0	39	4	2	4.0	6.5	24	0	2	1.5	3.0
05	154	2	2	9.5	14.5	127	4	4	11.5	18.0	98	5	6	12.5	18.0	71	4	8	*10.0	*16.0	49	8	3	5.0	9.0	51	2	4	*7.0	*11.0	39	5	2	4.5	7.5	24	0	2	1.5	3.0
06	154	2	2	10.5	17.0	119	3	7	11.5	17.5	78	5	8	11.5	15.5	55	4	2	*3.5	*5.5	47	6	4	6.5	9.5	47	2	4	5.5	8.5	39	2	2	4.0	7.0	24	2	0	2.0	4.0
07	152	2	2	10.5	16.5	111	4	1	12.0	19.0	66	14	4	6.5	8.5	53	12	4	*2.0	*5.5	39	2	4	3.0	5.0	37	4	2			31	4	2	5.0	8.0	22	2	0	2.0	3.5
08	150	2	2	10.5	16.0	104	5	3	*10.5	*16.0	66	16	4	*9.0	*11.0	53	4	4	*4.0	*7.0	34	7	5	2.5	4.5	33	2	2	*6.5	*9.0	25	6	2	6.0	9.0	22	2	2	3.0	5.0
09	150	2	2	10.0	16.0	103	8	2	10.0	14.5	66	18	6	*16.0	*23.5	51	5	2	*4.0	*6.5	33	4	6	3.0	5.0	23	6	4	4.0	6.0	21	4	4	*4.0	*8.0	20	2	2	3.0	5.0
10	150	2	4	9.5	15.0	107	1	5	10.0	15.5	68	4	6	*10.0	*14.0	55	6	4	*8.0	*11.0	31	6	4	3.0	5.0	27	4	2	5.0	7.0	21	2	4	*4.5	*7.5	18	2	4	3.5	6.0
11	150	2	2	10.0	16.0	109	6	6	11.5	17.0	66	11	6	*17.5	*22.5	51	2	4	7.0	12.0	31	6	4	3.5	5.5	24	4	3	4.5	6.0	19	6	2	*4.5	*6.0	16	2	2	2.5	4.5
12	150	2	2	9.5	15.0	106	8	3	10.5	15.5	66	11	7	*13.0	*16.0	51	4	2	*3.5	*6.0	31	6	3	3.0	5.0	25	4	4	4.0	6.0	21	7	4	*7.0	*10.0	18	2	2	3.0	5.0
13	148	4	0	9.5	15.0	107	3	5	10.0	15.0	62	13	2	*10.0	*13.5	51	11	2	*4.0	*7.0	33	4	6	*2.5	*4.5	25	2	4	3.5	5.5	19	8	2	*4.0	*6.5	18	2	2	*2.0	*4.0
14	150	1	4	*9.0	*14.5	107	4	2	12.0	17.0	63	7	4	*9.5	*12.5	53	4	4	*4.5	*6.5	31	6	4	3.0	5.5	25	2	6	*4.0	*6.0	19	5	2	*5.0	*9.0	20	4	4	*2.0	*4.0
15	148	2	2	10.0	15.0	107	4	8	10.0	15.0	64	6	4	*8.5	*11.0	51	2	2	*4.0	*7.0	31	4	3	3.5	5.0	25	4	2	*5.5	*8.0	21	9	4	*7.5	*9.5	22	2	4	2.5	4.5
16	148	2	2	10.0	15.5	105	4	7	12.0	16.0	63	5	3	*10.5	*13.0	51	2	2	*3.0	*5.0	31	6	4	2.5	5.0	27	5	2	*1.5	*3.0	27	4	6	4.5	7.0	24	2	2	2.5	4.5
17	148	2	4	10.5	16.5	103	6	8	11.5	16.0	64	7	4	*13.0	*15.5	51	2	3	*4.0	*6.0	33	5	6	3.0	4.5	31	6	2			37	3	4	4.0	6.5	26	2	2	2.0	4.5
18	148	2	3	9.5	15.0	105	4	8	8.0	12.5	68	4	4	7.0	11.0	53	6	2	4.0	6.0	33	8	4	3.0	5.0	39	6	4	*8.5	*14.5	41	2	2	3.0	6.5	26	2	2	3.0	5.0
19	148	2	2	8.0	13.5	111	4	3	6.5	12.0	86	5	6	7.5	11.5	63	10	4	6.5	9.0	39	4	4	3.0	5.0	49	2	5	5.5	9.5	43	2	3	4.5	7.5	26	2	3	3.0	4.5
20	150	2	2	8.5	14.0	117	6	4	8.0	13.5	92	7	6	*12.0	*19.0	68	9	6	9.0	13.0	45	7	4	6.0	9.5	51	3	4	5.5	9.0	43	2	4	4.5	8.0	24	2	2	2.5	4.5
21	152	2	2	7.0	12.0	119	5	2	8.0	14.5	92	6	4	*8.5	*13.0	71	4	6	*6.0	*8.5	47	7	2	6.0	9.0	51	4	4	4.5	8.0	43	2	3	4.5	8.0	24	3	2	2.0	4.0
22	152	2	0	7.5	13.0	121	5	4	8.5	14.0	92	10	6	9.0	14.0	71	10	8	*9.0	*14.0	49	4	4	5.0	8.5	53	2	4	5.0	8.0	41	4	2	4.0	7.5	24	3	2	2.0	4.0
23	154	2	2	7.5	12.5	122	6	3	*10.0	*16.5	96	9	7	10.0	16.5	75	9	13	*12.0	*19.0	50	5	5	5.0	8.0	53	2	2	5.5	9.0	43	2	3	4.0	7.0	26	2	3	2.5	4.0

Frequency (Mc)

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DC

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month March 1959

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	153	2	4	11.0	15.5	128	4	4	12.0	17.5	102	6	4	10.5	17.0	80	9	4	9.5	14.0	51	11	5	*4.5	*7.0	54	9	4	8.0	12.5	46	8	5	5.0	8.5	25	1	2	3.0	5.0
01	153	4	4	10.0	15.0	129	5	3	12.0	17.0	102	8	4	11.0	17.0	80	10	4	11.5	16.0	51	11	8	*4.5	*7.0	54	8	4	*6.0	*11.0	44	6	4	4.0	8.0	25	1	2	2.5	4.5
02	152	5	1	11.0	15.5	128	6	4	11.5	17.0	102	8	6	11.5	17.0	81	7	7	11.0	17.0	51	13	6	6.5	10.5	54	8	4	6.0	10.5	46	13	4	6.5	9.0	23	2	0	2.5	4.5
03	153	6	4	10.0	14.5	128	6	4	11.5	16.0	100	12	6	10.0	15.5	78	10	4	8.5	13.0	51	8	6	*8.5	*13.0	53	8	3	7.5	10.5	42	10	4	*5.0	*8.0	23	2	0	2.0	3.5
04	153	4	4	10.0	14.5	128	6	4	12.0	18.0	102	10	10	12.0	16.0	76	10	6	8.0	11.0	49	14	5	6.5	7.0	52	10	4	5.5	8.5	40	6	4	5.0	8.5	23	2	0	2.0	3.5
05	153	2	4	10.0	15.0	126	8	6	12.0	19.0	96	8	6	13.0	18.5	74	6	4	9.0	16.0	47	14	5	*6.5	*10.0	74	8	18	*5.0	*9.5	42	6	4	6.5	10.0	23	4	0	2.0	4.0
06	151	2	4	11.0	16.0	118	4	4	12.0	17.0	84	11	6	11.0	16.0	75	9	5	*8.5	*12.0	41	9	4	*6.0	*9.5	51	7	13	*4.5	*10.5	42	6	4	*6.5	12.5	23	2	0	3.0	5.0
07	149	2	4	11.0	16.0	111	7	5	13.0	19.0	75	15	5	10.0	10.5	70	6	2	7.0	12.0	37	4	2	7.5	10.5	38	10	10	*8.5	*11.0	39	6	5	*4.0	*5.0	23	2	2	3.0	5.0
08	149	2	3	12.0	17.5	106	13	8	14.0	19.5	76	14	5	9.5	12.0	68	10	3	7.0	12.0	31	6	2	6.5	8.5	32	9	5	7.5	11.5	36	13	4	*10.0	*14.0	23	4	2	*4.5	*6.0
09	*147			*14.5	*20.0	*108			*16.5	*23.5	*78			*14.5	*16.5	*70			*5.0	*9.0	*31			*5.0	*7.5	*30			*9.0	*15.0	*32			*8.5	*12.0	*24				
10	*147			*14.0	*20.0	*110			*16.5	*23.5	74	8	2	*12.0	*15.0	70	5	4	*9.5	*14.0	*31			*4.0	*8.0	30	6	4	*8.5	*12.0	28	5	5	*7.0	*10.0	21	6	2	*2.0	*4.0
11	147	2	5	13.0	19.5	110	10	10	16.0	22.5	72	24	2	*7.5	*7.0	70	2	3	*9.0	*14.0	31	7	4	*5.0	*7.0	30	6	6	8.5	12.5	28	6	4	*8.0	*11.0	21	6	2	*6.0	*9.0
12	147	2	5	14.5	20.5	110	8	12	15.0	21.0	74	10	4	11.0	10.0	72	7	2	7.0	11.5	31	4	2	*6.5	*10.0	28	8	4	7.5	11.5	24	9	2	*11.5	*15.0	21	2	2	3.5	5.5
13	149	2	6	14.0	20.5	114	4	6	14.0	20.5	76	14	6	8.5	11.0	72	11	4	8.0	12.0	31	8	4	6.5	9.0	30	5	4	9.0	15.0	27	7	3	*4.0	*6.0	21	2	2	3.0	5.0
14	149	4	2	14.0	19.0	112	10	6	14.0	20.0	77	19	7	9.5	11.5	70	10	4	6.5	11.0	30	6	1	*8.5	*12.0	30	10	4	8.0	11.0	32	5	8	*12.0	*16.0	23	2	2	*3.0	*5.0
15	149	4	2	12.0	18.0	112	12	6	12.0	17.5	74	16	4	10.0	11.0	70	12	2	8.0	12.5	31	8	4	*7.0	*10.0	34	8	8	*6.5	*8.0	36	6	4	*8.5	*13.0	25	5	2	3.0	5.5
16	151	4	4	11.0	16.5	110	16	8	12.0	19.0	74	29	4	7.5	9.0	74	12	6	*9.5	*14.5	37	12	4	*8.0	*12.5	41	11	9	*8.5	*15.0	42	5	4	*9.0	*15.0	25	4	2	*4.0	*6.0
17	151	4	4	11.0	15.5	108	19	9	12.5	16.5	80	26	8	9.0	11.5	75	12	5	7.5	14.0	39	16	4	*7.0	*10.0	60	8	10	7.5	13.5	46	6	5	*6.0	*8.5	26	6	1	3.5	5.5
18	151	5	4	10.0	15.0	116	13	7	12.5	18.0	92	17	6	11.0	18.0	80	8	6	7.0	11.5	45	17	6	*6.0	*9.0	60	6	7	*4.5	*11.0	48	4	4	*5.0	*9.0	27	5	2	3.0	5.5
19	152	3	3	11.0	15.5	123	9	3	11.5	18.0	96	17	7	11.0	17.0	87	7	7	9.0	12.0	47	16	4	5.5	9.5	72	11	8	*7.0	*15.0	48	5	2	*4.0	*7.0	27	4	3	3.0	6.0
20	153	4	4	11.5	15.5	126	9	4	11.0	16.0	98	10	7	11.5	15.5	90	8	8	11.0	18.0	49	14	4	7.0	9.0	74	6	7	*6.5	*12.5	48	8	4	6.0	8.0	25	3	2	3.0	5.5
21	153	4	6	12.0	17.0	128	8	6	10.5	16.0	100	12	8	9.0	14.0	91	5	9	8.0	14.0	53	14	10	9.0	13.0	76	6	8	*5.0	*11.5	48	12	4	4.5	8.5	25	4	2	2.5	5.0
22	153	4	6	12.0	17.0	128	6	6	11.5	17.5	102	8	8	10.0	15.0	90	6	8	*8.0	*13.5	51	15	6	8.0	7.5	77	5	5	*6.5	*12.5	46	20	3	6.0	8.5	25	3	2	3.5	5.0
23	153	4	4	11.5	16.5	128	6	4	12.5	18.0	102	8	6	10.0	15.5	82	8	4	*11.0	*14.5	51	12	7	*7.0	*11.0	57	23	6	*10.5	*8.0	46	10	3	*5.0	*7.0	25	7	2	3.0	5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month April 19 59

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	153	4	4	10.0	15.0	128	4	4	11.5	16.5	104	5	5	10.0	15.0	81	8	6	8.0	13.0	52	10	4	6.0	10.0	54	6	6	6.0	9.0	45	12	2	*4.0	*6.0	26	4	2	3.5	5.0
01	153	5	4	10.0	14.0	128	5	2	12.0	16.5	106	6	8	12.5	16.0	83	10	8	11.0	13.0	53	10	6	5.5	8.5	52	8	4	5.5	9.0	47	2	4	5.5	8.5	26	4	2	3.0	4.5
02	153	3	3	10.0	14.5	130	2	5	11.0	16.5	104	8	4	7.5	12.0	81	14	6	9.0	14.0	51	9	5	5.5	10.0	52	7	4	7.0	10.5	45	4	4	5.0	8.0	26	2	2	2.0	3.5
03	153	3	2	10.0	15.0	128	4	3	12.0	16.5	104	7	6	9.5	15.0	79	10	7	12.5	17.0	50	10	4	5.0	7.5	52	7	4	5.5	8.5	43	16	3	6.0	9.0	24	2	0	2.0	3.5
04	153	4	4	10.5	15.0	128	5	6	12.0	17.5	104	4	8	9.5	16.0	75	9	8	11.0	15.0	50	8	4	6.0	10.0	52	8	6	5.0	9.0	43	4	4	6.0	8.5	24	4	2	2.0	3.5
05	153	2	2	10.0	15.5	122	4	4	11.5	16.0	90	8	7	*10.5	*15.0	71	6	4	*7.0	*12.0	48	10	8	5.0	9.0	53	7	5	5.0	9.0	43	9	3	5.0	8.0	26	3	2	3.0	4.0
06	150	3	3	10.5	15.0	115	9	3	12.0	17.5	79	19	7	10.0	14.0	71	4	4	*6.0	*9.0	38	8	4	5.0	8.0	38	5	7	6.0	9.0	39	5	4	6.0	9.0	25	5	1	2.5	4.0
07	149	5	2	9.5	14.0	107	12	8	13.0	19.0	85	14	14	10.5	16.0	69	10	0	6.0	10.5	36	2	2	6.5	10.0	32	4	4	5.5	8.0	33	9	5	*7.5	*13.5	24	2	2	3.0	4.5
08	149	6	3	11.0	15.5	111	11	11	12.5	18.0	86	12	16	8.0	10.5	69	7	4	*9.0	*14.0	32	5	3	5.0	7.5	28	2	1	6.0	8.0	29	8	7	*8.5	*10.5	24	4	2	3.0	5.0
09	*149			*13.0	*20.0	*116			*13.0	*20.0	*83			*11.5	*17.5	*69			*10.0	*15.0	*32			*3.5	*5.5	*28			*7.0	*10.0	*25			*5.0	*7.0	*22			*2.5	*3.5
10	*149			13.5	19.0	114	10	8	*14.0	*21.0	79	13	7	*9.0	*13.5	71	3	3	*9.5	*14.0	*32			*5.0	*6.5	*28			*5.5	*7.5	25	11	6			20	6	0	*3.0	*5.0
11	147	6	2	13.5	19.5	110	16	6	14.5	22.0	79	14	8	10.5	13.0	69	8	2	8.0	10.0	32	2	4	5.0	7.0	28	2	2	7.5	10.0	25	9	6	*5.0	*8.0	20	6	2	1.5	3.5
12	147	4	4	14.0	20.0	114	10	12	13.5	21.5	77	13	7	8.0	11.0	73	2	4	*9.0	*9.0	32	8	2	5.0	7.0	28	4	2	7.0	10.0	21	10	2	*3.0	*4.5	20	8	0	2.5	4.5
13	147	6	4	14.5	21.0	112	9	6	15.0	22.0	80	12	10	*9.5	*12.0	71	6	4	*7.0	*10.0	30	6	2	5.0	7.0	28	5	3	6.0	9.0	25	10	4	*8.0	*12.0	22	4	2	2.5	4.0
14	149	2	6	14.5	20.5	114	10	6	14.0	21.0	81	18	10	*14.0	*15.0	71	12	4	*7.5	*12.0	30	8	2	*5.5	*8.5	28	4	3	6.5	9.0	27	12	4	*9.0	*14.0	22	6	0	2.0	4.0
15	151	2	6	13.0	20.0	116	6	10	13.5	14.5	80	8	6	8.5	12.5	71	12	4	6.5	9.0	30	10	2	5.0	6.0	28	9	3	7.5	10.5	31	9	4	*7.0	*11.5	26	3	4	2.5	4.0
16	151	5	6	12.5	18.0	116	7	10	12.0	17.0	80	12	10	5.0	6.5	70	8	3	9.5	13.0	34	8	3	5.0	7.0	32	6	4	*4.5	*7.0	39	4	4	*5.0	*8.0	26	4	2	2.5	4.5
17	151	4	4	11.5	17.0	110	12	7	11.0	16.0	79	15	7	10.0	13.0	71	10	2	10.0	14.0	38	5	5	5.0	7.0	42	12	7	*6.5	*11.0	41	6	6	4.5	7.5	28	5	2	3.0	5.0
18	151	4	4	10.5	14.5	112	13	5	11.5	17.0	89	19	7	11.0	16.0	75	12	6	7.5	11.0	38	7	4	7.0	10.0	57	7	9	*7.0	*10.0	45	6	3	5.5	8.0	28	11	3	3.5	6.0
19	151	6	2	11.0	15.5	120	8	6	13.0	18.5	96	15	7	*14.0	*22.0	83	11	4	10.5	14.5	46	10	4	8.0	13.0	68	9	6	*9.0	*15.5	46	5	3	4.0	7.0	28	6	3	3.0	5.0
20	153	5	3	10.0	15.0	126	6	7	12.0	17.5	100	8	8	10.0	15.0	88	5	5	9.0	15.0	50	13	4	7.5	12.0	73	5	9	*10.5	*17.5	45	6	2	5.0	8.0	26	7	2	3.0	5.0
21	155	5	4	11.5	16.0	128	5	4	11.5	16.5	104	8	10	12.0	16.0	90	5	9	7.5	14.0	52	8	4	5.5	9.0	74	6	7	*6.5	*12.0	47	5	4	4.0	7.0	26	5	2	3.5	5.0
22	155	2	5	11.0	16.0	128	17	4	11.5	15.5	104	7	7	9.5	14.0	89	8	5	10.0	14.0	51	13	3	5.0	8.0	78	2	8	*5.5	*8.5	45	8	2	*5.5	*8.5	25	7	1	4.0	6.0
23	153	5	3	10.0	15.5	129	5	6	12.0	18.5	106	4	8	13.0	17.0	84	9	7	10.0	13.5	54	10	8	6.5	10.0	56	24	8	5.5	9.0	45	8	4	*5.0	*8.5	24	5	0	2.0	4.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month May 19 59

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	155	3	3	11.0	16.0	129	5	3	11.5	16.5	103	7	6	8.5	14.5	75	9	5	11.5	17.5	51	8	4	*6.0	*9.5	53	4	8	*5.5	*8.0	42	4	3	*6.0	*9.0	27	4	4	2.0	3.5
01	155	2	4	9.5	14.5	129	7	4	12.5	18.0	104	7	3	9.5	15.5	75	7	4	10.0	19.0	51	6	6	5.5	9.0	53	6	7	4.0	7.0	42	2	2	*4.5	*7.5	25	4	2	1.5	4.0
02	155	2	5	10.5	15.5	131	2	4	12.5	18.5	105	6	4	10.0	16.0	77	8	6	13.0	18.0	53	8	8	*4.5	*8.5	53	5	6	*3.5	*7.0	40	4	2	3.5	5.5	25	2	3	*1.5	*3.0
03	155	3	4	10.0	15.0	131	4	5	11.5	17.5	105	5	4	9.5	16.0	75	9	7	12.0	17.0	52	8	8	*5.0	*9.5	52	6	4	*5.0	*9.0	41	3	4	6.0	9.0	23	2	0	1.5	3.0
04	155	4	5	12.0	16.0	129	4	6	12.0	19.0	99	6	5	8.5	14.5	66	6	7	11.0	15.5	49	8	6	*5.5	*9.5	53	7	6	5.5	8.0	42	4	5	4.0	7.0	25	0	4	1.5	4.0
05	155	2	6	11.0	17.0	121	4	5	12.0	18.0	83	11	8	*12.0	*16.5	67	6	2	7.0	11.0	40	7	6	*6.5	*10.5	44	7	7	*6.5	*10.0	40	2	4	5.5	9.0	25	2	3	2.0	4.0
06	151	5	4	11.0	17.0	113	9	7	11.5	17.5	76	17	7	10.0	12.5	66	5	3	6.0	10.5	37	2	10	9.0	13.0	32	7	3	*6.5	*9.5	32	7	4	6.0	9.5	23	4	2	*2.5	*4.0
07	151	5	5	12.0	18.0	109	12	8	13.5	19.5	81	17	12	10.0	13.0	69	3	4	4.5	9.0	35	3	6	8.5	12.5	31	4	6	*6.5	*9.5	26	7	5	*3.5	*6.0	23	4	2	3.0	4.5
08	151	4	6	13.5	19.5	113	12	8	15.0	20.5	81	16	10	9.0	12.0	67	5	4	*6.5	*10.0	31	6	4	*7.5	*11.0	24	11	9	*4.5	*7.0	24	12	4	*5.5	*8.0	21	2	1	2.5	4.5
09	151	2	6	*13.0	*18.0	*114			*17.5	*24.5	*77			*9.5	*11.5	*65			*5.5	*8.0	29	2	4	*4.5	*7.0	*27			*5.5	*8.0	*22			*4.0	*6.0	*19			*2.0	*3.5
10	*151			*14.0	*19.5	115	8	7	*17.5	*25.0	77	16	7	*10.0	*12.0	67	6	4	*6.0	*10.0	29	4	6	*5.5	*8.0	27	6	3	*5.5	*7.0	22	5	6	*4.0	*6.0	19	8	2	*2.0	*4.0
11	151	4	4	14.5	20.5	115	11	6	15.0	22.5	77	16	6	8.5	11.5	67	5	4	*8.0	*13.5	29	4	6	*6.0	*8.0	27	4	2	*5.0	*8.0	22	6	6	*2.5	*4.0	21	5	3	*2.5	*4.0
12	151	4	6	16.0	22.0	118	11	8	15.5	23.0	79	17	8	10.5	12.5	69	2	4	*7.0	*11.0	31	5	7	5.5	8.5	29	8	4	7.0	10.5	22	6	6	*6.5	*10.0	23	3	4	2.5	5.0
13	151	7	3	14.0	20.0	119	15	6	13.5	20.5	83	37	12	9.5	11.5	67	29	2	*8.5	*12.5	31	20	6	*9.0	*16.5	28	7	3	8.5	11.5	24	6	6	6.5	9.0	23	8	4	*4.0	*6.5
14	155	5	6	11.0	19.5	121	18	7	11.5	18.0	81	25	9	8.5	13.0	67	29	2	7.0	11.5	31	20	5	*4.0	*7.5	31	20	6	*6.5	*8.5	26	7	7	*7.0	*10.5	25	12	4	*3.0	*5.0
15	155	6	5	9.5	15.5	119	20	6	8.5	14.5	83	37	8	11.0	15.0	69	30	6	*7.0	*13.0	31	24	8	5.5	8.0	31	22	4	*6.5	*9.0	30	5	5	*5.0	*7.5	25	8	4	*3.0	*5.0
16	157	6	4	9.5	14.0	120	20	6	12.5	14.0	79	42	5	8.0	12.0	67	33	4	*6.0	*10.0	36	29	7	*9.0	*13.0	35	23	7	*8.0	*12.0	36	10	10	*7.5	*13.0	28	6	5	*3.0	*5.0
17	157	3	4	8.0	13.0	116	26	3	10.0	16.0	79	39	10	7.0	11.0	67	28	2	*7.0	*12.0	37	24	9	*8.0	*12.0	41	17	8	7.5	11.5	40	8	8	5.0	8.0	29	5	4	2.5	5.0
18	155	6	4	10.0	15.0	113	25	6	9.0	14.5	83	30	7	10.0	13.5	71	22	5	6.5	11.5	39	22	8	*7.5	*11.0	49	11	15	*5.5	*8.5	43	4	4	5.5	8.0	29	6	5	2.5	5.0
19	155	4	4	8.5	13.5	119	18	4	13.0	19.0	95	15	6	12.0	18.0	77	12	4	7.5	13.0	46	20	6	7.5	12.0	65	5	10	*5.5	*10.5	44	4	4	4.5	8.0	27	10	3	*2.5	*5.0
20	157	2	4	10.0	15.5	127	7	2	11.5	17.5	101	12	2	11.0	17.0	83	11	8	8.5	14.0	49	10	8	*6.5	*11.0	67	10	7	*9.0	*14.5	44	4	4	4.0	7.0	26	10	3	2.5	4.5
21	157	3	4	9.5	14.5	131	6	7	11.5	17.0	103	12	7	9.5	15.0	85	11	9	10.0	14.5	51	10	10	9.0	12.0	73	6	10	*7.5	*11.0	44	2	2	4.0	7.5	25	7	2	*2.0	*4.0
22	157	3	4	9.5	15.0	129	6	2	11.0	17.5	103	11	5	9.0	15.0	85	8	7	*10.0	*18.0	53	11	4	*5.5	*9.5	75	6	4	*6.0	*11.0	44	6	6	5.0	8.5	25	10	2	*2.0	*4.0
23	155	4	2	11.0	16.0	129	6	3	11.0	17.0	105	7	7	9.5	15.0	79	8	6	11.0	16.0	53	8	8	*5.5	*9.5	55	6	4	6.0	10.0	44	6	6	3.5	6.5	25	8	1	*2.0	*4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E MONTH March 19 59

Hour (LST)	Frequency (Mc) .051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	137	6	8			122	5	13			110	6	10			98	8	11			63	10	18			55	6	13			43	6	9			28	12	5		
01	135	8	8			120	7	11			108	8	10			96	6	8			65	8	22			46	12	6			41	6	11			26	4	2		
02	135	6	8			118	7	9			104	8	8			96	6	10			63	8	23			54	4	4			41	4	11			26	4	2		
03	135	6	8			117	8	8			106	6	13			93	8	9			61	10	18			54	6	16			39	4	8			26	6	3		
04	133	6	6			117	6	8			100	10	10			90	10	10			61	8	20			50	8	16			39	4	9			24	6	2		
05	129	8	4			113	8	8			96	10	3			80	14	8			57	12	28			50	10	14			39	5	14			26	0	2		
06	125	8	8			103	8	14			76	20	14			60	26	8			45	14	14			42	10	9			37	8	7			26	2	3		
07	121	12	8			99	10	22			70	22	8			60	13	6			39	6	10			28	7	6			31	10	12			26	1	4		
08	123	8	12			96	15	19			70	21	9			60	10	6			35	10	5			24	6	2			21	12	6			24	3	2		
09	*125					*101					*68					60	15	6			*29					*22					*19					22	6	0		
10	120	11	14			88	24	12			66	23	4			60	7	5			39	5	7			24	4	5			19	11	5			22	5	0		
11	126	7	17			99	16	18			73	22	11			60	12	4			39	5	4			24	2	4			19	14	5			22	6	0		
12	128	9	11			107	14	20			83	19	19			62	23	8			39	12	6			24	4	4			21	12	6			23	3	1		
13	133	8	14			112	13	21			97	9	32			71	18	14			39	10	6			24	8	2			25	12	8			26	2	4		
14	137	8	14			117	14	20			99	18	31			79	23	19			41	16	6			26	14	4			31	12	14			28	4	6		
15	137	10	12			123	10	22			98	21	26			76	29	18			43	28	12			30	16	8			38	7	19			30	2	5		
16	137	12	14			123	8	24			102	13	31			80	16	20			43	24	8			37	11	13			43	4	21			30	4	4		
17	139	8	15			122	11	29			101	15	31			83	19	24			49	18	14			44	11	16			45	4	18			30	6	2		
18	137	10	14			121	10	22			100	14	19			88	12	8			57	12	17			50	8	12			47	4	14			30	4	2		
19	137	8	10			121	10	12			104	12	10			95	7	7			68	7	24			56	8	12			47	4	14			30	3	2		
20	137	7	8			121	8	8			106	7	8			97	7	7			69	7	18			56	8	19			47	4	6			32	12	6		
21	137	6	12			123	4	10			106	10	6			98	6	6			69	8	22			55	7	9			45	5	14			30	16	4		
22	137	6	10			120	9	7			106	12	6			100	7	10			67	8	24			56	6	14			43	6	14			30	14	4		
23	137	8	8			120	9	9			108	8	8			100	8	11			65	8	24			56	6	16			42	7	12			28	14	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8S Long. 28.3E Month April 19 59

Hour (LST)	Frequency (Mc) .051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	135	10	5			119	12	6			108	14	7			98	7	5			67	5	7			54	9	9			39	7	9			27	7	2		
01	135	8	7			118	9	6			106	8	7			97	6	8			65	6	17			54	5	11			38	6	7			27	6	2		
02	133	11	4			119	8	9			106	6	9			96	7	8			65	7	24			52	8	14			36	6	5			25	3	1		
03	135	7	7			118	10	9			104	10	8			93	11	9			62	9	19			52	7	13			38	4	20			25	4	1		
04	133	11	7			117	11	10			102	13	9			92	10	9			63	8	21			52	6	14			36	6	15			25	5	0		
05	131	12	4			115	12	9			94	16	6			88	12	9			62	11	19			52	10	15			32	5	10			25	5	0		
06	127	13	8			107	15	14			82	26	16			65	26	8			50	17	12			48	8	16			36	9	9			25	7	0		
07	125	14	10			103	21	18			75	29	13			61	16	6			41	12	4			34	11	9			34	12	14			27	3	2		
08	125	16	11			107	17	27			80	25	14			61	22	4			39	6	8			29	11	7			30	14	10			27	6	4		
09	*124					*107					84	20	20			59	19	4			*41					*26					*29					25	6	4		
10	123	15	11			100	21	20			72	27	10			59	14	4			41	3	5			26	8	4			23	13	5			23	8	2		
11	123	14	12			105	14	20			79	23	17			59	25	4			41	6	8			26	14	4			24	12	8			23	8	2		
12	127	10	12			107	11	21			82	28	17			63	29	8			41	16	8			26	14	4			26	9	7			25	6	4		
13	131	17	10			111	16	17			91	23	20			74	28	16			41	18	7			26	16	4			31	5	12			27	4	3		
14	134	8	9			118	15	14			100	21	18			81	25	21			41	24	9			31	16	10			36	6	17			29	4	2		
15	135	12	8			120	14	11			102	20	13			85	24	20			43	27	4			36	20	13			38	8	8			31	4	4		
16	136	12	6			121	17	10			104	21	11			87	26	19			49	26	10			42	17	15			42	7	13			31	7	2		
17	138	10	8			123	13	10			106	18	13			87	22	18			55	22	15			52	11	21			46	4	14			33	4	3		
18	137	13	8			121	11	8			104	21	9			92	19	5			65	11	19			56	8	17			46	6	18			33	3	5		
19	138	11	7			121	16	6			104	21	6			95	21	4			69	10	19			58	6	19			46	6	20			33	5	3		
20	137	18	6			120	19	7			105	22	5			99	16	9			71	14	20			58	10	14			46	5	14			31	10	2		
21	137	12	6			120	17	6			106	27	4			99	19	6			69	9	6			58	8	6			44	10	11			31	14	3		
22	135	12	4			120	14	6			107	14	5			99	11	6			68	8	8			56	5	15			44	4	13			29	11	3		
23	135	12	4			119	13	6			108	11	6			101	6	9			67	7	8			55	8	12			42	10	13			29	8	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month May 19 59

Hour (LST)	Frequency (Mc) .051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	131	9	11			117	8	14			104	8	15			83	15	11			66	8	9			57	6	10			37	3	6			24	2	0		
01	131	10	10			115	11	12			102	11	13			84	16	14			66	6	10			57	4	12			35	5	6			24	2	0		
02	131	10	10			115	11	10			102	10	13			83	14	9			64	8	7			55	7	8			35	4	4			24	2	0		
03	132	7	12			115	11	13			101	10	12			83	13	10			64	8	7			55	6	9			35	4	4			24	2	0		
04	132	8	10			116	11	13			98	14	10			81	15	7			64	7	8			55	8	9			33	7	4			24	2	0		
05	131	9	12			113	12	13			96	8	12			77	18	14			64	10	9			55	7	10			32	7	1			24	2	0		
06	127	8	9			105	12	12			78	16	10			55	12	10			56	14	8			53	8	10			41	8	7			26	8	2		
07	124	9	10			102	15	22			75	22	11			55	8	10			42	13	5			39	13	8			40	9	9			28	8	4		
08	119	4	12			99	16	23			75	21	12			55	9	10			40	7	6			32	14	7			35	10	9			26	8	2		
09	*117					99	18	25			73	24	11			55	8	10			*40					*27					32	9	11			27	8	6		
10	122	9	15			101	16	21			78	18	15			55	11	10			40	4	6			25	10	2			28	11	5			25	12	5		
11	120	11	12			101	15	19			77	20	14			55	12	10			40	4	4			25	11	2			27	11	5			25	10	5		
12	122	11	12			99	17	16			75	25	13			55	13	10			42	4	4			25	10	2			29	10	6			24	9	4		
13	125	10	19			103	17	20			74	26	13			55	8	10			41	7	3			27	11	2			33	7	10			26	12	4		
14	125	9	14			106	16	26			81	20	20			55	15	9			42	3	4			29	12	6			33	10	10			29	6	5		
15	127	8	14			107	13	24			78	25	18			55	16	10			42	8	4			30	15	5			37	8	9			30	5	3		
16	125	12	13			105	16	22			79	26	17			55	20	8			42	11	2			36	17	9			41	8	5			32	17	2		
17	123	13	17			105	17	20			85	21	20			67	16	8			50	15	8			51	8	12			47	4	7			32	8	2		
18	129	7	14			113	10	18			94	14	16			78	11	8			64	7	4			57	5	12			47	4	6			30	6	1		
19	133	4	14			114	11	13			98	11	16			81	10	11			64	9	9			57	5	10			47	5	7			28	5	2		
20	133	5	2			115	8	12			101	10	14			85	10	13			66	8	10			57	6	11			45	5	6			28	3	2		
21	133	6	10			115	8	12			101	10	15			85	12	10			68	7	10			59	3	13			43	7	8			28	2	3		
22	133	6	10			117	8	13			101	12	12			85	13	14			66	9	8			59	4	13			39	8	7			26	8	2		
23	133	6	12			115	10	12			103	11	13			85	14	10			68	8	11			57	6	12			35	7	4			24	6	0		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month April 19 59

Hour (LST)	Frequency (Mc) .051					*.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	127	2	4								95	5	4			83	8	3			58	4	2			55	5	2			47	3	2			38	7	8		
01	127	3	4								95	6	4			85	3	8			58	8	4			57	2	4			47	3	2			38	8	8		
02	127	3	4								95	4	6			83	3	6			58	6	4			57	3	4			47	4	2			34	9	5		
03	125	6	2								95	4	7			83	5	5			59	5	7			57	3	6			47	5	3			34	5	6		
04	127	3	6								93	3	8			79	5	10			56	9	5			55	7	4			47	2	5			32	8	4		
05	125	4	3								84	12	5			71	10	5			52	9	4			55	2	6			47	4	4			33	8	5		
06	119	5	4								81	9	5			73	8	11			48	5	4			49	4	8			45	2	4			38	10	10		
07	113	4	3								91	2	4			68	10	9			42	2	3			33	7	7			41	2	6			38	7	10		
08	111	4	6								91	2	2			67	12	10			40	4	5			25	6	4			33	6	9			36	10	10		
09	113	6	8								91	2	2			61	14	4			40	2	6			21	8	2			33	6	10			40	4	10		
10	115	4	4								91	2	2			61	16	4			38	4	4			19	5	1			31	10	8			43	5	13		
11	114	7	4								91	2	2			75	7	15			38	5	3			21	8	2			33	8	12			42	8	10		
12	115	10	4								91	11	2			76	12	13			40	10	4			21	16	4			26	11	7			40	6	6		
13	117	12	6								89	12	2			77	6	16			38	10	2			21	6	4			29	12	10			44	3	12		
14	117	11	2								89	9	2			76	7	23			41	4	4			21	8	4			33	6	10			42	8	9		
15	117	8	2								90	3	3			69	8	12			40	7	2			23	12	4			37	6	10			43	9	9		
16	119	5	4								89	4	0			61	11	6			40	4	2			25	10	6			41	7	7			44	7	4		
17	117	4	4								91	3	4			69	13	10			44	4	4			33	8	4			43	6	5			48	7	10		
18	113	4	4								89	6	2			75	6	6			46	6	3			47	4	4			47	4	2			48	7	12		
19	117	5	4								87	9	5			81	4	4			56	6	6			55	5	2			48	3	3			44	7	11		
20	125	2	4								90	6	4			85	4	5			60	3	6			55	4	2			47	6	2			42	6	8		
21	125	2	5								93	4	4			85	4	2			60	2	6			55	5	3			47	2	2			42	2	10		
22	125	3	2								93	4	4			87	4	3			58	2	4			55	2	4			47	7	2			39	10	8		
23	127	3	4								95	5	4			85	6	1			58	2	2			55	4	2			47	5	2			36	8	8		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

*Signal Contamination

USCOMM-NBS-BL

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month May 19 59

Hour (LST)	Frequency (Mc) .051					*.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	129	2	4								96	6	6			85	3	5			60	4	4			55	2	4			47	2	2			35	12	6		
01	129	2	4								97	4	6			85	6	5			60	4	6			55	4	2			47	2	2			37	10	6		
02	128	3	3								95	6	4			83	5	4			61	3	7			56	3	5			48	1	3			34	9	7		
03	129	2	6								95	6	6			83	7	6			61	3	7			55	4	4			47	2	4			30	11	3		
04	127	4	4								91	9	4			79	6	5			56	8	4			53	6	2			45	2	2			29	12	2		
05	124	3	3								78	11	0			69	7	6			54	8	6			52	7	3			45	4	2			31	14	6		
06	117	8	2								77	12	2			77	12	12			43	9	5			37	10	4			41	4	4			36	13	9		
07	112	9	4								89	5	2			84	15	16			38	14	6			27	6	8			33	6	2			36	9	7		
08	113	6	6								89	2	4			77	11	12			40	8	8			25	8	8			30	8	5			38	5	9		
09	115	6	2								89	2	2			67	14	8			38	10	4			22	10	5			31	6	8			37	10	10		
10	117	6	4								89	3	3			70	8	11			38	4	7			21	10	4			35	4	10			35	10	7		
11	119	8	2								89	5	6			74	11	15			38	12	4			23	8	4			32	5	10			33	9	3		
12	123	6	4								89	7	6			78	13	6			38	9	4			26	11	5			34	5	11			40	3	9		
13	125	6	6								89	12	4			78	14	12			38	22	6			25	24	8			34	7	7			38	7	7		
14	127	6	4								91	11	5			73	23	14			38	23	6			23	15	6			37	6	10			37	6	4		
15	127	6	4								91	14	6			74	17	17			40	22	6			29	17	7			41	4	8			39	8	6		
16	127	6	5								89	12	2			73	12	13			40	12	6			33	8	10			41	8	6			41	4	6		
17	125	6	6								89	15	3			81	9	17			42	8	6			41	10	14			45	4	4			45	4	8		
18	123	6	5								91	8	5			83	4	13			46	4	8			45	8	8			49	4	4			43	8	4		
19	121	6	5								87	10	6			83	6	5			52	8	4			55	8	6			49	6	4			41	10	8		
20	127	4	2								95	9	5			85	5	6			60	8	6			57	4	4			47	4	4			39	6	8		
21	129	4	4								97	7	5			87	6	6			62	4	6			57	2	4			47	4	2			35	8	8		
22	129	3	3								95	12	3			87	6	2			62	2	6			55	4	4			47	4	4			35	12	6		
23	129	4	3								97	5	6			87	6	4			60	8	4			55	4	4			47	2	4			35	10	6		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

*Signal Contamination.

MONTH-HOUR VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Month May 19 59

Hour (LST)	Frequency (Mc) .051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	128			8.0	13.5	119			6.0	12.0	100			6.5	12.0	87			*5.5	*12.5	65					59					40					26				
01	130			7.5	14.0	118			6.0	11.0	103			*6.0	*13.0	87			*3.0	*10.5	64					52					45					26				
02	126			8.0	13.5	115			6.0	10.5	103			*5.0	*12.0	86			*4.0	*11.0	63					50					43					22				
03	126			*7.0	*13.5	117			4.5	11.0	105			*6.0	*12.5	84			*6.0	*11.0	63					51					39					22				
04	128			8.0	14.5	117			5.0	11.5	102			6.0	13.0	88			4.0	10.0	64					52					37					22				
05	128			8.0	13.0	117			5.0	11.0	99			*4.0	*10.5	86			*4.0	*10.0	63					49					36					22				
06	124			9.0	15.0	115			6.0	11.0	92			*10.0	*15.0	78			*2.5	*13.0	61					52					38					25				
07	122			*11.0	*15.0	109			*4.5	*13.5	82			*11.0	*15.0	76					51					51					45					34				
08	116			*7.0	*12.5	107			*8.0	*13.5	79			*8.5	*13.0	79					45					44					42					32				
09				*4.5	*7.5	91			*3.5	*7.5	84			*12.5	*20.0	76			*9.0	*15.5	42										40					26				
10	122			*9.0	*16.0	113			*10.5	*15.0	93			*10.0	*17.5	79			*10.5	*16.0	42					41					39					30				
11	122			*11.0	*18.0	117			*7.0	*12.0	85			*5.5	*9.0	74			*5.5	*9.0	43					41					38					30				
12	116			8.0	17.0	105			*8.5	*14.5	77			*10.5	*18.5	76			*4.0	*10.0	43					40					39					28				
13	113			10.0	17.5	99			*8.5	*12.5	79			*5.0	*9.0	78					45					42					39					30				
14	118			*10.0	*17.5	101			*5.5	*10.5	81			*5.0	*9.0	81			*5.5	*10.5	47					42					39					38				
15	118			*10.0	*16.0	99			*6.0	*11.5	79			*7.0	*9.0	76					45					42					43					32				
16	114			*9.5	*16.0	98			5.0	10.0	77			*10.0	*16.0	80			*9.0	*11.0	46					46					43					32				
17	118			*10.0	*15.5	103			8.5	11.5	83			*8.0	*14.0	78			*5.0	*10.0	53					54					45					36				
18	116			10.0	16.0	109			*6.0	*11.5	89			*6.0	*11.0	82			*7.0	*10.5	59					60					46					34				
19	118			7.0	13.5	111			6.5	11.0	93			8.5	12.5	86			*6.0	*9.5	61					56					45					33				
20	118			7.5	13.0	110			6.5	11.0	93			5.5	12.0	84			*4.5	*9.5	64					56					46					30				
21	121			6.5	13.0	119			5.0	11.5	101			*8.5	*9.5	87			4.0	8.5	62					58					46					30				
22	130			7.0	12.0	119			4.0	11.5	98			5.5	11.0	90			*4.0	*9.0	64					59					49					31				
23	132			7.5	13.0	120			5.0	12.0	99			5.0	11.0	89			*5.0	*10.5	64					54					46					28				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-EL

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month March 19 59

Hour (LST)	Frequency (Mc) .013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	160	4	4			140	5	6			117	4	6			88	5	7			64	6	8			59	2	6			50	3	4			29	2	4		
01	160	4	4			138	6	5			117	5	7			88	6	7			66	2	8			59	3	4			50	6	6			27	4	2		
02	160	4	4			140	4	7			117	6	8			88	6	6			66	4	7			61	3	7			50	2	6			27	4	2		
03	162	3	5			140	2	8			117	4	7			90	4	9			67	3	8			63	5	4			48	4	4			27	5	2		
04	160	4	4			138	5	7			117	6	7			88	7	7			66	4	6			61	2	6			48	3	4			25	5	0		
05	160	4	2			138	4	8			115	7	7			83	9	6			64	6	10			59	3	6			46	5	4			25	2	1		
06	160	3	3			132	7	7			103	13	9			66	19	7			58	4	12			53	6	8			44	4	4			25	4	2		
07	156	5	2			130	8	8			101	9	12			64	17	7			44	12	10			43	4	10			38	6	6			25	3	2		
08	156	4	4			*131					*105					*72					*33					*31					*36					*24				
09	156	6	6			127	11	9			99	14	14			68	12	14			30	16	4			29	8	4			28	8	6			23	2	2		
10	154	8	3			128	10	9			96	18	9			62	14	8			34	3	5			31	4	8			26	8	8			21	4	2		
11	154	8	5			128	10	8			97	19	10			64	18	8			32	8	6			28	1	7			24	13	6			21	5	2		
12	156	8	6			130	12	9			103	22	12			71	24	13			28	8	4			25	16	4			24	17	6			23	6	2		
13	158	6	5			134	13	8			109	17	13			78	27	16			34	27	8			27	30	4			28	16	6			25	10	4		
14	162	6	6			137	12	7			113	16	16			84	21	15			38	32	12			29	32	6			34	11	8			25	8	2		
15	162	8	6			138	14	7			113	20	12			84	27	12			40	30	12			37	26	12			38	10	7			27	16	4		
16	162	8	1			140	15	8			115	16	10			84	26	8			42	26	12			41	18	12			42	9	4			29	8	4		
17	162	6	4			138	9	5			113	8	9			84	12	11			48	16	11			46	7	6			46	2	4			29	2	4		
18	160	6	4			138	7	8			117	8	7			90	7	5			56	7	9			58	4	3			48	4	3			25	5	4		
19	158	6	4			140	6	7			119	7	6			90	6	6			62	6	7			59	6	2			48	2	5			25	2	2		
20	160	4	6			140	4	6			119	4	7			90	6	6			62	6	8			61	2	2			48	5	4			27	7	2		
21	160	4	3			140	4	4			119	4	9			90	4	9			62	5	7			59	4	1			50	2	4			29	7	4		
22	160	3	4			140	5	6			119	5	7			90	4	8			61	7	11			59	5	3			50	2	5			31	8	6		
23	160	4	4			140	4	6			119	5	7			88	8	7			62	7	6			59	4	4			50	2	4			29	4	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-EL

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month April 19 59

Frequency (Mc)

Hour (LST)	.013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	162	4	4			141	6	4			118	10	5			92	11	10			62	6	14			58	4	6			48	3	3			30	6	4		
01	162	5	5			141	6	4			118	9	6			90	10	8			60	8	13			57	6	4			49	2	4			28	5	2		
02	160	7	2			140	7	4			116	11	3			90	9	8			61	8	6			57	6	4			47	4	4			28	4	2		
03	161	5	3			139	8	2			117	8	7			88	12	8			62	6	5			59	4	4			47	3	4			28	5	3		
04	162	5	4			139	7	2			117	9	7			88	10	8			62	6	18			57	6	4			47	4	6			26	4	2		
05	162	2	4			139	5	4			114	10	7			81	10	9			60	7	7			57	6	4			43	8	4			26	3	2		
06	160	2	1			134	6	5			106	16	17			72	28	17			53	9	8			50	5	6			43	8	3			26	6	2		
07	158	5	2			131	13	6			104	18	15			68	26	11			42	22	12			43	11	10			38	5	3			26	9	2		
08	156	4	2			*129					*100					*64					*31					*38					*32					*24				
09	158	4	3			131	8	6			106	14	14			73	22	22			32	11	6			33	10	6			31	4	12			22	6	0		
10	156	6	4			133	6	10			104	12	14			78	24	24			34	16	8			29	20	8			29	8	12			22	8	2		
11	157	5	5			133	6	9			110	11	15			77	13	13			34	19	10			27	18	3			29	12	8			22	10	2		
12	158	6	2			137	9	9			116	10	19			88	19	19			34	30	10			29	25	4			33	10	12			28	12	8		
13	162	7	4			139	13	8			120	16	21			98	26	26			48	24	21			35	32	12			35	23	10			28	19	5		
14	166	6	6			143	10	8			120	13	8			97	18	18			57	21	22			44	25	18			39	12	6			28	11	4		
15	166	5	6			143	10	7			120	12	11			96	16	16			54	17	17			45	12	15			41	6	6			30	10	6		
16	166	5	5			145	7	7			118	12	8			92	10	10			60	16	18			46	15	10			43	5	2			34	9	5		
17	164	5	2			143	10	6			118	12	8			92	9	9			55	16	11			52	12	10			47	4	4			30	23	2		
18	164	3	4			143	5	6			120	6	5			94	6	6			58	9	9			59	3	5			49	2	4			28	30	6		
19	164	4	6			143	6	5			120	6	4			94	7	7			64	4	13			61	4	4			49	2	4			28	6	6		
20	163	5	5			143	5	5			120	8	4			94	8	8			66	3	15			61	5	4			51	2	4			30	27	4		
21	162	7	2			143	7	5			118	10	3			92	8	8			66	3	10			61	5	7			51	6	4			30	17	4		
22	162	4	4			141	6	5			120	6	8			92	9	9			64	4	10			59	3	3			49	5	2			32	20	4		
23	162	3	4			141	6	4			118	9	5			93	9	9			62	5	10			57	5	3			49	2	4			32	4	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 W Month May 19 59

Hour (LST)	Frequency (Mc) .013					.051					.160					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	163	3	3			142	4	4			121	6	5			92	6	6			64	5	5			59	4	5			48	4	2			32	10	2		
01	164	4	4			142	4	4			123	3	7			92	6	8			64	4	8			59	4	4			49	1	3			30	6	2		
02	164	3	4			144	2	4			123	2	5			92	6	7			64	6	7			59	4	4			48	2	3			29	6	3		
03	162	6	2			144	4	4			121	7	2			90	7	4			65	5	5			60	3	4			48	2	3			28	3	3		
04	162	7	2			143	5	4			120	6	3			92	6	6			64	5	6			59	4	2			46	2	4			26	4	2		
05	162	7	2			142	4	3			118	6	7			83	11	12			64	5	7			59	4	5			43	3	3			26	2	2		
06	162	3	3			136	4	5			108	4	11			92	10	14			54	9	9			52	5	5			44	3	3			28	2	2		
07	161	4	3			132	9	4			105	14	11			90	20	12			41	16	9			41	10	6			40	3	6			28	4	2		
08	162	2	2			132	10	4			*107					*70					36	18	10			35	10	8			*34					*28				
09	160	6	4			130	10	4			102	12	7			64	18	7			30	23	6			31	10	8			30	4	4			24	6	2		
10	160	4	4			131	11	7			100	11	8			66	20	12			32	18	8			29	14	6			28	12	8			24	22	3		
11	160	7	4			134	12	6			106	22	12			72	31	10			32	26	6			29	24	7			28	12	6			24	16	2		
12	162	4	4			136	13	4			115	17	13			87	22	16			32	31	7			29	30	4			32	15	6			27	12	5		
13	164	7	2			142	10	7			122	11	12			94	16	16			53	18	23			43	20	15			36	14	6			30	12	7		
14	168	4	4			144	9	6			126	8	11			97	13	16			60	13	26			46	18	15			40	10	6			31	16	6		
15	168	3	5			143	7	6			121	9	10			93	19	9			52	19	18			43	14	8			40	8	3			31	13	5		
16	168	2	6			143	7	6			121	7	11			94	10	13			52	12	13			47	9	7			44	3	2			32	12	4		
17	166	4	6			142	8	5			120	9	10			92	15	8			56	14	7			53	5	5			48	2	4			32	26	4		
18	164	6	3			142	8	6			121	8	6			94	8	4			62	11	6			61	4	3			48	4	2			30	7	3		
19	164	5	5			144	6	5			121	8	5			94	8	4			68	4	4			65	2	3			50	2	4			28	4	3		
20	164	4	4			142	5	4			119	7	2			92	8	4			68	4	5			67	3	3			50	4	2			32	4	4		
21	164	3	4			142	4	4			119	7	3			90	9	2			68	4	6			65	5	4			50	2	2			32	4	3		
22	162	5	2			142	3	4			119	7	2			92	7	4			66	4	4			63	2	5			50	2	2			34	8	6		
23	164	3	4			142	4	4			121	6	5			92	7	4			64	6	4			61	4	3			50	3	4			34	7	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-EL

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Month March 19 59

Hour (LST)	Frequency (Mc) .051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	121	0	4			116	2	2			89	4	2			74	2	2			58	4	6			46	4	3			*27					24	4	2		
01	121	2	4			116	2	2			89	4	2			74	4	4			58	6	7			47	3	4			*27					26	2	4		
02	121	1	4			116	2	2			91	4	5			74	6	4			60	4	10			48	3	4			*25					26	2	4		
03	119	4	2			116	2	2			91	4	4			74	4	2			60	8	8			50	4	8			*27					26	4	4		
04	121	2	4			116	2	0			90	5	3			74	4	4			*59					46	7	2			*27					26	6	2		
05	119	2	2			116	2	2			89	4	4			74	4	4			*59					49	5	7			*29					26	4	2		
06	121	0	4			116	2	2			89	6	2			74	6	4			57	7	7			48	5	4			*27					26	4	2		
07	121	0	4			116	2	1			89	2	4			74	4	4			57	6	4			48	5	2			*25					28	2	4		
08	121	0	4			116	2	1			89	2	4			74	4	2			59	7	5			48	4	4			*29					*28				
09	119	2	2			116	2	0			89	2	3			74	3	5			*62					*50					*27					*25				
10	121	0	4			*116					*89					*75					*60					*48					*27					*28				
11	121	0	4			116	2	2			87	4	2			74	4	2			*61					46	4	4			*27					28	2	4		
12	120	1	3			116	3	2			87	2	2			74	4	2			58	6	4			48	4	4			*27					26	4	2		
13	119	2	2			116	4	2			87	5	2			74	4	2			58	4	4			46	6	2			*27					*28				
14	119	2	2			116	2	2			87	6	1			74	3	2			58	4	6			*45					*27					*26				
15	119	2	2			116	3	3			87	7	2			74	3	3			59	3	5			*44					*27					*28				
16	119	2	2			116	3	2			87	4	2			74	2	4			*58					45	1	1			*27					26	4	2		
17	119	2	2			116	2	2			89	2	4			74	2	4			60	6	6			44	8	2			27	4	4			26	4	4		
18	119	2	2			116	2	2			87	4	2			74	4	4			58	4	2			46	4	4			*26					26	4	4		
19	119	2	2			116	2	2			87	4	2			74	4	6			58	6	4			44	6	4			*27					26	2	4		
20	121	0	4			116	2	2			89	2	2			74	2	2			60	3	7			46	4	2			*27					26	4	4		
21	121	2	3			116	2	2			89	2	2			74	4	2			58	4	4			46	4	4			*27					24	4	2		
22	121	2	4			116	2	2			89	4	2			76	2	4			60	4	4			48	2	6			27	2	4			26	2	2		
23	121	0	4			116	2	2			89	4	2			74	4	4			60	4	5			46	4	2			*27					24	4	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-DL

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Month April 19 59

Hour (LST)	Frequency (Mc) .051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	118	2	2			114	3	2			87	2	2			74	2	4			58	2	4			46	4	2			28	2	4			26	2	2		
01	118	4	2			114	2	2			87	4	2			74	2	3			56	6	4			48	2	4			26	2	4			26	2	2		
02	118	2	2			114	3	2			87	6	2			72	4	3			58	2	7			48	2	6			26	2	2			26	2	2		
03	118	3	2			114	2	2			85	6	0			72	5	1			57	3	7			46	4	2			26	2	2			26	4	2		
04	120	0	4			114	3	2			85	6	0			72	3	3			56	4	4			46	4	2			25	1	3			26	4	2		
05	118	2	2			114	2	2			87	2	4			74	0	5			58	4	4			46	4	2			24	2	0			28	4	4		
06	118	4	0			114	4	2			87	4	2			74	2	3			56	4	4			46	4	2			24	2	2			28	4	4		
07	118	2	2			114	2	1			87	4	4			73	3	3			56	4	4			48	2	4			24	2	2			28	2	4		
08	118	5	1			114	2	0			87	2	4			74	2	4			58	2	4			48	2	2			24	3	3			28	2	4		
09	*120					114	2	0			85	3	3			72	2	0			58	2	4			48	2	5			24	3	2			28	4	4		
10	120	0	2			114	2	1			86	5	1			74	1	3			56	4	4			48	3	7			24	3	2			28	4	3		
11	118	2	1			114	2	2			87	2	2			74	2	2			56	4	4			46	4	4			23	3	3			28	2	2		
12	118	2	2			114	2	2			85	3	1			74	2	2			56	4	4			48	2	4			24	2	2			27	3	1		
13	118	2	1			114	2	1			86	3	3			73	2	2			58	3	5			48	2	4			24	2	3			28	4	2		
14	119	1	2			114	2	2			87	5	3			74	2	2			57	5	3			48	2	2			24	3	2			28	4	2		
15	118	2	2			114	2	2			85	4	1			74	2	2			56	6	2			48	2	4			26	2	4			27	3	3		
16	120	2	4			114	1	2			85	5	1			74	1	4			56	2	4			47	3	5			24	4	2			26	2	2		
17	119	3	3			114	1	2			85	5	0			74	2	4			56	4	4			46	2	2			26	2	4			26	2	2		
18	118	2	2			114	1	2			87	0	2			72	4	1			56	3	4			46	2	4			26	2	4			26	2	2		
19	119	3	3			114	1	2			87	1	2			72	5	2			56	4	4			46	2	6			27	1	3			26	2	2		
20	118	4	2			114	2	2			86	3	3			72	3	3			56	4	4			46	2	4			26	4	4			26	2	2		
21	118	2	2			114	2	2			85	2	4			72	4	1			56	4	6			46	4	4			28	4	6			26	4	2		
22	118	4	2			114	2	2			86	3	1			72	4	2			56	4	5			46	4	4			28	2	5			26	2	2		
23	118	2	2			114	2	2			87	2	4			74	0	2			54	8	4			46	4	2			26	4	5			26	0	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Month May 19 59

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	121	4	4	*1.5	*4.5	114	2	4	2.0	4.5	86	4	4	*7.5	*11.0	72	6	2	16.5	21.0
01	121	4	4	*3.0	*5.0	114	2	4	*1.5	*4.5	86	6	4	11.0	14.5	72	6	2	15.0	20.0
02	121	4	2	*1.5	*5.0	114	2	4	2.5	4.0	86	8	4	*8.5	*13.0	72	7	4	16.5	21.0
03	121	4	4	*2.0	*4.5	114	2	4	*2.5	*5.0	86	2	2	8.0	12.0	72	2	2	16.5	21.5
04	120	5	3	*2.0	*4.0	114	2	2	*2.0	*3.5	86	2	2	*7.0	*11.5	72	2	2	17.0	20.0
05	119	4	2	*2.0	*3.0	114	2	2	1.5	4.0	86	2	4	8.5	12.5	72	2	2	17.0	21.0
06	121	2	4	*2.5	*4.5	114	2	2	1.5	4.0	86	2	4	9.5	11.0	72	2	2	18.0	21.5
07	121	2	4	*2.5	*3.0	114	2	2	*2.5	*3.5	86	0	3	*9.0	*11.0	72	3	2	17.5	21.0
08	121	2	4	*2.0	*4.0	114	2	2	*3.0	*4.5	86	0	2	*13.0	*17.0	72	2	2	*17.0	*21.0
09	121	2	2	*2.0	*5.5	114	2	4	*3.0	*4.5	86	0	2	*12.5	*15.5	72	2	2	17.5	21.0
10	121	2	5	*2.0	*5.0	114	2	2	1.5	4.0	86	2	2	*12.0	*16.0	72	2	2	18.0	21.0
11	121	2	4	*1.5	*3.5	114	0	2	*2.0	*4.0	86	0	2	*11.5	*14.0	72	2	2	15.5	20.5
12	121	2	5	*1.5	*4.5	114	2	2	1.5	4.5	86	2	2	*12.0	*16.0	72	2	2	16.0	19.5
13	119	4	2	*1.5	*4.0	114	2	2	2.0	4.0	86	2	4	*8.5	*14.0	72	2	2	17.0	21.0
14	121	2	4	*1.0	*4.0	114	0	4	1.5	4.0	84	2	2	*10.0	*14.0	72	2	4	18.5	21.5
15	121	2	4	*2.0	*4.5	114	0	4	2.0	4.5	86	0	4	*11.0	*15.0	72	2	2	18.0	21.0
16	119	4	2	2.0	4.5	114	0	4	1.5	4.0	84	2	2	9.0	14.5	72	2	2	16.0	20.5
17	119	4	2	*2.0	*4.5	114	0	5	2.0	4.5	84	2	2	10.5	16.0	72	2	2	17.0	21.0
18	119	4	2	2.5	4.5	114	0	5	*1.0	*4.0	86	0	4	*9.0	*13.0	72	2	2	16.0	21.0
19	119	4	2	*2.0	*4.0	114	0	4	2.5	4.0	84	2	2	*10.5	*13.5	72	2	2	15.5	20.0
20	119	4	2	*2.5	*4.0	114	1	2	*2.5	*4.0	86	2	4	*9.0	*13.5	72	2	2	14.0	18.0
21	121	2	4	*2.0	*5.0	114	2	3	*2.0	*4.5	84	2	2	9.5	14.0	72	2	2	14.5	16.5
22	121	2	4	*2.5	*4.5	114	1	4	2.0	4.5	84	2	2	10.5	15.0	72	2	2	15.0	19.0
23	121	2	4	*2.0	*4.0	114	0	5	*1.5	*4.5	84	4	2	*9.0	*13.5	72	2	2	15.5	18.5

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	56	6	6			47	2	4			26	2	6	12.5	16.0	27	4	4	13.5	16.5
01	58	4	6			47	4	4			24	3	5			27	9	2	11.0	15.0
02	56	6	4			47	2	4			24	3	5	10.5	14.5	27	2	4	11.5	15.0
03	56	6	4			47	2	4			22	4	3	12.0	15.5	27	4	4	13.0	15.5
04	56	6	4			47	4	4			22	2	4			29	4	6	11.5	16.0
05	58	4	8			47	4	4			22	3	4			29	2	4	12.0	16.5
06	56	6	2			47	2	4			22	3	2			29	8	4	11.5	18.5
07	58	4	6			47	3	4			*22					27	2	2		
08	58	7	5			49	2	4			*22			9.5	14.0	27	4	2	13.5	17.5
09	56	6	2			47	2	2			22	3	2	11.5	15.0	29	2	4	11.0	18.0
10	57	5	3			47	2	2			24	2	5	13.0	16.5	29	2	4	11.0	17.0
11	58	4	4			47	5	2			22	2	3	10.5	13.5	27	6	2	9.5	15.5
12	58	4	6			47	2	4			22	1	3	11.0	13.5	27	4	2	13.0	17.0
13	56	5	4			47	2	2			22	2	3	12.5	18.0	27	4	2	17.0	19.0
14	56	6	5			47	4	4			22	3	4	12.5	17.0	27	4	2	12.5	17.5
15	58	4	6			47	2	4			22	4	2	13.5	17.5	27	4	2	12.0	16.0
16	57	5	5			47	2	2			22	3	2			27	6	2	17.0	21.0
17	58	6	4			47	2	4			24	2	6			27	2	2	13.0	17.0
18	58	6	6			47	4	4			24	2	6	13.5	16.0	27	4	2	14.0	16.0
19	58	4	4			47	2	4			24	2	4			27	2	2	11.5	15.0
20	58	6	4			47	2	4			24	4	4	15.0	20.0	27	4	4	9.5	14.0
21	56	6	4			47	4	2			24	4	4			27	2	2	13.5	19.0
22	56	8	6			47	2	2			24	4	6	10.0	16.5	27	2	2	12.0	18.0
23	56	6	4			47	4	4			24	4	4			27	4	2	8.0	13.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

* * No Data

USCOMM-NBS-DC

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Spring (March April May) 19 59

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	138	5	5	11.5	19.5	137	5	7	13.0	21.0	132	7	9	16.0	25.0	134	8	7	12.5	20.5	135	7	6	11.0	13.0	137	5	6	10.0	17.0
.113	125	6	6	9.0	15.0	123	6	10	12.5	20.5	118	9	14	15.0	24.0	118	11	11	12.0	20.0	120	9	7	10.5	18.0	123	6	5	8.5	14.0
.246	109	7	6	9.5	17.0	107	7	12	12.5	23.5	100	11	17	14.5	24.0	100	14	12	12.0	20.5	104	9	9	12.0	20.0	107	7	6	8.0	15.0
2.5	66	5	4	5.5	10.5	62	6	7	7.5	14.5	38	11	12	9.5	13.5	36	18	10	8.5	11.5	50	11	9	6.5	11.0	64	6	5	5.0	10.0
5	60	3	3	5.0	9.0	55	4	6	6.0	11.5	31	10	10	9.5	14.5	30	14	9	7.5	11.0	51	7	6	6.5	10.0	61	4	5	4.5	8.5
10	45	3	4	5.5	10.0	41	4	4	6.0	10.5	28	6	9	8.6	13.0	28	9	7	7.0	11.5	42	4	3	4.5	8.0	45	3	3	5.0	8.0
20	28	4	2	2.5	4.5	26	4	2	3.0	4.0	25	4	3	4.0	6.5	29	4	3	3.5	6.5	31	6	3	4.0	6.0	30	3	3	3.5	6.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Spring (March April May) 19 59

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	132	8	10			121	13	7			118	12	11			123	14	10			128	11	13			132	10	9		
.113	115	9	10			102	14	12			99	14	10			106	15	12			112	12	12			116	10	10		
.246	98	10	13			83	16	11			82	16	10			87	19	9			94	18	16			99	11	13		
* .495	87	10	12			65	26	4			64	22	12			72					80	13	21			90	6	11		
2.5	58	11	9			38	16	9			18	11	4			24	20	7			42	16	12			58	12	10		
5	62	4	6			47	9	8			25	10	7			26	16	9			49	8	9			61	5	5		
10	44	6	4			39	7	4			29	7	4			32	9	5			44	8	4			46	7	4		
20	24	3	1			26	4	3			28	5	5			30	6	6			31	6	5			25	4	2		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

* Data for April and May

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Spring (March April May) 19 59

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	129	8	8	9.0	16.0	120	10	6	10.5	17.5	117	12	10	11.0	18.0	123	10	10	9.5	15.0	126	12	10	8.5	14.0	130	9	8	8.5	15.5
.113	114	9	7	6.5	11.0	98	12	10	7.5	13.5	96	14	12	7.0	11.5	101	16	10	7.0	11.5	109	15	9	5.5	10.0	114	10	8	5.5	10.0
.246	97	11	9	7.0	13.0	79	16	8	6.5	11.5	78	17	7	7.0	11.0	85	19	7	7.5	12.5	92	18	12	6.0	10.5	98	12	9	6.5	12.0
.495	85	10	10	12.0	12.5	66	15	8	4.0	7.5	66	15	6	3.5	6.5	73	18	10	5.0	9.5	78	16	12	4.5	8.5	86	12	10	6.5	11.5
2.5	61	11	6	4.5	8.5	51	7	6	3.5	6.0	46	5	4	2.0	3.0	50	9	5	2.0	3.5	53	12	6	3.5	6.5	62	12	6	4.0	8.0
10	45	5	5	5.0	9.0	39	7	4	5.0	8.0	29	5	4	3.0	5.0	33	8	5	3.5	6.0	46	6	4	4.5	8.0	47	5	4	5.0	9.0
20	24	2	1	1.5	3.5	26	3	3	2.5	3.0	27	6	4	3.0	5.0	31	7	5	3.5	6.0	32	7	7	3.0	5.0	25	3	2	2.5	4.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Season Fall (March April May) 19 59

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	110	4	3			109	3	4			107	3	2			106	2	2			108	4	3			110	5	3		
.113	86	4	3			78	3	3			84	4	2			84	4	2			86	4	3			86	4	3		
.246	73	3	2			73	3	2			73	3	3			74	2	3			73	5	3			74	4	2		
.545	60	3	3			59	3	3			60	3	4			61	4	3			60	4	2			60	3	3		
2.5	32	5	4			31	4	4			30	3	3			31	3	2			33	3	4			33	5	4		
5	32	10	8			28	9	8			25	6	5			28	6	5			33	9	10			36	8	12		
10	27	7	7			24	6	9			23	4	7			25	5	7			29	5	7			30	7	8		
20	22	3	2			21	3	2			21	3	2			22	2	2			22	2	3			21	3	2		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Season Fall (Mar. Apr. May) 19 59

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	157	4	3	8.0	13.0	156	3	3	9.0	14.5	152	4	4	11.0	18.0	154	4	4	12.0	19.5	156	4	4	9.0	15.0	157	5	4	8.5	14.0
.051	128	7	5	9.0	14.5	124	6	4	9.0	16.0	113	8	10	13.0	20.0	118	8	8	11.0	13.5	121	8	6	10.0	17.0	128	6	5	9.0	16.0
.160	103	8	6	9.5	16.0	92	10	7	9.0	15.0	74	20	10	9.0	13.5	82	18	12	9.5	15.5	93	15	12	10.0	17.5	103	9	6	8.5	16.0
.545	69	7	8	8.5	15.5	69	7	7	6.5	10.5	55	7	6	3.5	5.5	55	8	8	4.0	7.5	69	11	8	5.5	9.5	85	8	6	7.5	14.0
2.5	55	7	7	7.0	11.5	48	8	8	7.5	12.0	24	6	4	5.0	6.0	23	6	5	3.5	4.5	40	12	8	7.0	8.0	58	9	7	7.0	8.0
5	53	6	4	6.5	9.0	48	4	4	6.0	9.0	31	4	8	3.5	5.0	31	4	8	6.0	8.0	44	9	8	7.0	11.5	56	6	4	6.0	10.5
10	42	3	2	4.5	7.0	39	4	3	5.0	8.0	24	6	5	4.5	6.5	25	6	7	5.0	7.5	39	5	4	6.0	9.0	42	4	2	4.5	7.5
20	24	2	1	3.0	4.5	23	1	2	4.0	6.0	20	5	3	3.5	5.0	21	5	3	3.5	5.0	26	6	3	4.0	6.5	25	4	2	5.0	7.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Season Spring (March April May) 19 59

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	115	4	4	8.0	12.0	104	6	6	10.5	15.0	101	4	11	11.0	16.0	109	10	7	10.0	15.5	109	10	6	8.5	12.5	116	6	4	7.5	11.0
.246	73	8	7	6.5	11.0	66	5	4	6.5	10.5	69			7.5	12.0	69					76					74	6	6	6.0	8.0
.545	62	7	6	5.0	8.0	57	5	4	6.0	9.0	56			7.0	10.5	56	9	5	6.0	9.5	66	9	6	5.5	9.0	79	6	7	4.0	8.0
2.5	49	7	7	5.5	9.0	39	6	9	3.5	6.5	38	5	8	3.0	5.0	46	10	7	3.0	5.5	52	9	7	3.5	5.5	52	7	7	4.0	6.5
5	48	5	5	5.0	8.5	37	7	7	5.5	8.5	23	7	2	9.0	12.0	24	12	4	8.0	11.0	40	8	6	5.5	9.5	52	5	6	9.0	8.5
10	41	6	5	4.0	6.5	38	9	5	4.5	7.0	31	6	4	4.0	6.5	34	8	4	5.5	8.5	44	6	4	5.0	8.0	47	5	6	6.0	9.5
20	24	3	1	4.0	6.0	25	3	1	3.5	5.0	26	4	2	4.5	6.5	29	6	3	4.0	6.0	29	5	4	4.0	6.5	25	5	1	3.0	5.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Spring (March April May) 19 59

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.135	108	9	8			102	10	7			94	11	5			100	13	8			101	12	10			109	8	9		
.500	81	10	8			65	10	5			58	7	3			63	6	5			65	13	6			78	10	7		
2.5	66	9	8			49	8	6			30	4	4			31	15	5			43	12	8			65	9	9		
5	60	7	6			51	7	5			29	5	4			29	11	4			48	8	7			61	6	6		
10	45	7	5			41	6	4			32	4	4			33	7	5			46	6	4			48	8	6		
20	24	2	1			24	2	1			25	3	2			26	5	2			29	5	3			25	3	2		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4 N Long. 3.9 E Season Spring (March April May) 19 59

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	138	8	7			134	9	10			131	10	12			137	8	9			144	11	7			141	8	7		
.113	126	7	9			119	10	15			114	13	15			123	12	12			130	11	8			127	10	7		
.246	110	9	9			101	12	13			96	16	18			107	14	18			115	14	13			112	12	9		
.545	93	7	10			81	11	17			73	17	20			90	15	20			99	16	14			93	12	9		
2.5	66	5	7			54	9	9			36	19	7			51	12	18			65	16	8			68	7	5		
5	60	4	10			53	4	10			36	23	8			45	14	10			60	10	6			61	4	5		
10	44	5	7			41	4	9			33	6	8			38	6	5			46	9	4			45	3	5		
20	30	4	2			31	4	4			29	8	4			34	7	4			33	14	3			30	9	3		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha (Kauai), T.H. Lat. 22.0N Long. 159.7W Season Spring (March April May) 19 59

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	154	2	2	9.0	15.0	154	2	2	12.0	16.5	150	2	3	11.0	17.0	147	3	2	11.5	18.0	147	3	3	11.5	22.0	151	3	3	8.5	14.5
.051	127	3	4	10.0	16.5	124	3	4	11.0	18.0	106	7	7	12.5	18.0	106	6	7	13.0	18.5	104	6	7	11.0	15.5	119	5	5	10.5	17.0
.160	100	7	6	11.5	18.5	89	8	7	11.0	16.5	69	16	8	12.0	16.5	65	11	6	12.0	14.5	72	9	6	10.0	13.0	93	7	7	12.5	18.5
* .545	76	10	6	11.0	17.5	66	9	5	9.0	8.5	53	4	2	4.0	6.0	52	4	4	4.0	7.0	58	6	4	4.0	6.5	74	8	6	9.5	14.0
2.5	50	7	4	7.0	11.0	47	7	4	5.5	9.0	34	5	4	3.0	5.0	32	4	3	2.5	4.5	35	4	4	3.0	5.0	48	6	5	5.5	8.0
5	63	6	5	6.5	11.5	48	7	4	5.5	8.5	26	5	4	4.0	6.0	24	4	4	4.0	6.5	36	6	4	5.5	7.0	53	4	4	5.0	8.5
10	42	3	2	4.5	8.0	38	4	2	4.5	7.5	23	5	5	4.5	7.0	20	6	4	5.0	7.5	36	4	4	4.5	8.0	42	2	3	5.0	8.5
20	24	3	1	2.0	4.0	24	2	1	2.0	3.5	19	3	2	3.0	5.0	20	3	3	2.5	5.0	25	2	2	3.0	5.0	25	2	2	2.5	4.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

* No May data for .545

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Season Spring (March April May) 19 59

	TIME BLOCKS (LST)																															
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	154	4	4	10.5	15.0	152	3	4	10.5	16.0	149	3	4	13.5	19.0	150	4	5	14.5	19.5	153	4	4	10.5	15.0	154	4	4	11.0	16.0
.051	129	4	4	12.0	17.0	119	7	6	12.0	18.0	112	10	8	15.0	22.0	115	11	8	13.5	18.5	115	7	6	11.5	17.0	128	7	5	11.5	17.0
.160	103	7	5	10.0	15.5	88	12	8	10.5	15.0	78	15	7	10.0	12.5	79	19	8	10.0	12.0	85	23	7	9.5	14.0	102	9	7	10.5	15.5
.545	79	9	6	10.5	15.5	71	7	4	7.5	12.0	68	6	3	8.0	12.0	70	12	4	7.5	11.0	75	14	4	8.0	12.5	86	8	7	9.5	15.0
2.5	51	6	6	5.5	9.0	42	7	5	5.5	10.0	31	4	3	5.0	7.5	31	11	4	6.0	9.0	40	16	10	7.0	10.5	51	12	6	7.0	10.0
5	53	7	5	6.0	9.5	46	7	7	6.0	9.5	28	6	4	6.5	9.5	29	9	4	7.0	10.5	52	10	8	7.0	11.5	70	9	7	7.0	11.5
10	44	7	3	5.0	8.0	38	6	4	5.5	9.0	26	8	5	6.0	9.0	27	7	5	7.5	11.0	43	6	5	5.5	9.0	46	8	4	5.0	8.0
20	25	2	2	2.0	4.0	24	3	2	2.5	4.0	21	5	2	3.0	4.5	23	5	2	3.0	5.0	27	6	3	3.0	5.5	25	6	3	3.0	5.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season Fall (March April May) 19 59

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	134	8	8			128	10	8			122	10	10			130	10	12			134	10	12			135	9	8		
.113	118	9	10			109	12	14			100	17	20			111	14	19			118	12	16			119	11	9		
.246	105	9	9			87	17	9			74	22	12			88	21	20			98	17	16			105	13	8		
.545	92	10	9			72	15	9			58	14	6			68	22	14			82	16	12			94	11	9		
2.5	64	8	15			54	11	13			39	6	6			41	14	6			56	14	12			68	8	14		
5	54	7	10			46	9	11			26	9	4			28	13	5			50	10	14			57	6	13		
10	38	5	8			36	8	9			26	12	7			32	9	10			45	5	13			43	6	10		
20	26	4	2			26	4	2			24	7	3			27	5	4			31	6	2			29	10	3		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Season Spring (*** April May) 19 59

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	128	3	4			120	5	4			115	6	4			121	8	4			120	5	5			127	3	2		
* .113																														
.246	95	5	5			86	8	4			90	2	3			90	9	4			89	8	3			94	6	4		
.545	84	5	5			74	9	9			69	12	10			75	12	14			76	8	9			86	5	4		
2.5	59	5	5			49	8	5			39	6	5			39	13	4			46	6	5			60	4	5		
5	56	3	4			45	6	5			22	8	4			24	14	5			42	8	7			56	3	3		
10	47	3	2			43	3	4			32	7	9			34	7	9			45	5	4			47	4	3		
20	35	9	6			34	10	7			38	8	9			40	6	8			44	7	8			38	8	8		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

* Signal Contamination.

***No data for March.

USCOMM-NBS-BL

RN-14

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Season Fall (*** *** May**) 1959

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	128			7.5	13.5	126			9.0	14.5	120			8.0	13.5	116			9.5	17.0	116			9.0	15.0	125			7.0	13.0
.113	118			5.5	11.0	114			5.0	12.0	107			7.0	12.0	101			7.0	12.0	105			6.5	11.0	117			5.0	11.5
.246	103			6.0	12.5	94			10.0	13.5	85			9.0	15.0	79			7.0	10.5	86			8.0	13.5	98			6.0	11.0
.545	86			4.5	11.0	82			3.5	11.0	77			8.5	13.5	78			5.0	10.0	82			7.0	10.0	88			4.5	9.5
2.5	64					60					43					45					55					64				
5	53					51					43					42					54					57				
10	42					39					40					40					45					47				
20	24					26					30					32					34					30				

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

** Only 10 days data during May.

*** No data for March and April.

USCOMM-NBS-DL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3N Long. 103.8 E Season Spring (March April May) 19 59

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	162	4	4			160	4	3			157	5	4			163	6	5			164	5	4			162	4	4		
.051	141	5	5			136	6	5			130	9	7			140	11	7			142	8	6			142	5	5		
.160	119	6	5			110	10	9			103	15	12			118	14	13			118	9	8			119	6	5		
.545	90	7	7			80	14	10			69	19	13			90	21	16			91	10	8			91	7	6		
2.5	64	5	8			56	9	10			33	16	7			44	22	16			57	12	10			64	5	8		
5	59	4	7			53	6	6			31	12	6			36	23	10			54	7	6			61	4	4		
10	48	3	4			43	4	4			30	9	8			35	13	7			47	3	4			50	3	3		
20	28	5	3			26	4	2			23	9	2			28	12	5			29	11	4			31	10	4		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6 N Long. 68.7 W Season Spring (March April May) 19 59

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	120	3	3	2.0	5.0	120	2	3	2.0	4.0	120	2	3	2.0	4.5	120	2	3	1.5	4.0	119	3	2	2.0	4.5	119	2	3	2.0	4.0
.113	115	2	3	2.0	4.5	115	2	2	2.0	4.0	115	2	1	2.5	4.0	115	2	2	2.0	4.0	115	1	3	2.0	4.0	115	2	3	2.0	4.5
.246	88	4	3	9.0	12.5	87	3	3	8.5	11.5	87	2	2	12.0	15.5	86	3	2	10.5	15.0	86	3	2	10.0	14.0	87	3	2	9.5	14.0
.545	73	4	3	16.0	21.0	73	3	3	17.5	21.0	73	2	2	17.0	21.0	73	2	2	17.5	21.0	73	3	3	16.0	20.5	73	3	2	15.0	18.0
** 2.5	58	5	6			57	5	4			58	5	4			57	4	4			57	5	4			57	5	5		
** 5	47	3	4			47	4	3			48	3	3			47	3	3			46	3	4			46	3	3		
10	26	2	4	12.0	15.5	24	2	2			24	3	3	11.0	15.0	24	2	3	12.5	16.5	25	2	4	13.5	16.0	26	4	5	12.5	18.0
20	26	3	3	12.5	15.5	28	4	3	11.5	17.0	28	3	3	11.0	17.0	27	4	3	13.5	17.5	26	3	2	14.0	17.0	26	3	2	11.0	16.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

** No Data

One month's data only for voltage and log.

USCOMM-NBS-BL

U.S. DEPARTMENT OF COMMERCE
Frederick H. Mueller, *Secretary*

NATIONAL BUREAU OF STANDARDS
A. V. Astin, *Director*

THE NATIONAL BUREAU OF STANDARDS

The scope of activities of the National Bureau of Standards at its major laboratories in Washington, D.C., and Boulder, Colorado, is suggested in the following listing of the divisions and sections engaged in technical work. In general, each section carries out specialized research, development, and engineering in the field indicated by its title. A brief description of the activities, and of the resultant publications, appears on the inside of the front cover.

WASHINGTON, D.C.

Electricity and Electronics. Resistance and Reactance. Electron Devices. Electrical Instruments. Magnetic Measurements. Dielectrics. Engineering Electronics. Electronic Instrumentation. Electrochemistry.

Optics and Metrology. Photometry and Colorimetry. Photographic Technology. Length. Engineering Metrology.

Heat. Temperature Physics. Thermodynamics. Cryogenic Physics. Rheology. Molecular Kinetics. Free Radicals Research.

Atomic and Radiation Physics. Spectroscopy. Radiometry. Mass Spectrometry. Solid State Physics. Electron Physics. Atomic Physics. Neutron Physics. Radiation Theory. Radioactivity. X-rays. High Energy Radiation. Nucleonic Instrumentation. Radiological Equipment.

Chemistry. Organic Coatings. Surface Chemistry. Organic Chemistry. Analytical Chemistry. Inorganic Chemistry. Electrodeposition. Molecular Structure and Properties of Gases. Physical Chemistry. Thermochemistry. Spectrochemistry. Pure Substances.

Mechanics. Sound. Mechanical Instruments. Fluid Mechanics. Engineering Mechanics. Mass and Scale. Capacity, Density, and Fluid Meters. Combustion Controls.

Organic and Fibrous Materials. Rubber. Textiles. Paper. Leather. Testing and Specifications. Polymer Structure. Plastics. Dental Research.

Metallurgy. Thermal Metallurgy. Chemical Metallurgy. Mechanical Metallurgy. Corrosion. Metal Physics.

Mineral Products. Engineering Ceramics. Glass. Refractories. Enameled Metals. Constitution and Microstructure.

Building Technology. Structural Engineering. Fire Protection. Air Conditioning, Heating, and Refrigeration. Floor, Roof, and Wall Coverings. Codes and Safety Standards. Heat Transfer. Concreting Materials.

Applied Mathematics. Numerical Analysis. Computation. Statistical Engineering. Mathematical Physics.

Data Processing Systems. SEAC Engineering Group. Components and Techniques. Digital Circuitry. Digital Systems. Analog Systems. Application Engineering.

- Office of Basic Instrumentation.
- Office of Weights and Measures.

BOULDER, COLORADO

Cryogenic Engineering. Cryogenic Equipment. Cryogenic Processes. Properties of Materials. Gas Liquefaction.

Radio Propagation Physics. Upper Atmosphere Research. Ionospheric Research. Regular Propagation Services. Sun-Earth Relationships. VHF Research. Radio Warning Services. Airglow and Aurora. Radio Astronomy and Arctic Propagation.

Radio Propagation Engineering. Data Reduction Instrumentation. Modulation Research. Radio Noise. Tropospheric Measurements. Tropospheric Analysis. Propagation Obstacles Engineering. Radio-Meteorology. Lower Atmosphere Physics.

Radio Standards. High Frequency Electrical Standards. Radio Broadcast Service. High Frequency Impedance Standards. Electronic Calibration Center. Microwave Physics. Microwave Circuit Standards.

Radio Communication and Systems. Low Frequency and Very Low Frequency Research. High Frequency and Very High Frequency Research. Ultra High Frequency and Super High Frequency Research. Modulation Research. Antenna Research. Navigation Systems. Systems Analysis. Field Operations.

NBS